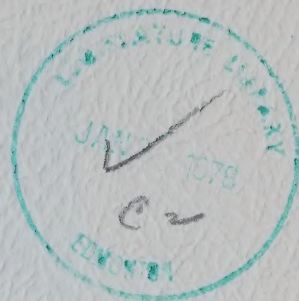
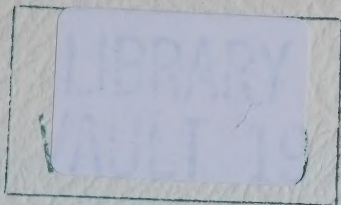


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Annual Report
of the
Department of Public Works
of the
Province of Alberta
1970-1971



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HONOURABLE W. O. BACKUS, M.D.
Minister of Public Works

Edmonton, Alberta,
October 1, 1971.

To His Honour J. W. Grant MacEwan,
Lieutenant Governor
of the Province of Alberta.

Sir:

The undersigned has the honour to submit the report of the Department of
Public Works for the year ended March 31, 1971.

Respectfully submitted,

W. O. BACKUS, M.D.,
Minister of Public Works.

Edmonton, Alberta,
October 1, 1971.

To:
The Honourable W. O. Backus, M.D.,
Minister,
Department of Public Works.

Sir:

I have the honour to submit herewith a report covering the activities of the Department of Public Works for the fiscal year ending March 31, 1971. This report comprises:

1. a report on the functions of the department
2. an organization chart
3. detailed procedure on calling of tenders and awarding of contracts
4. a list of tenders called, bids received and contracts awarded
5. a list of projects completed in the fiscal year
6. a list of all commissions awarded to architectural and engineering consultants during the year
7. Architectural Branch report
8. Southern Region Architectural Branch report
9. Engineering Branch report
10. Physical Plant Division report
11. Stock Advance Branch report and statement of operation
12. Personnel Branch report
13. Construction Branch report
14. Contracts Branch report
15. Properties Administration Section report
16. The Crown Properties Municipal Grants Act showing grants paid in lieu of taxes
17. A table showing total expenditures over the last five years.

For the year under review the Department was under the direction of Mr. S. E. Kenworthy, who retired from the position of Deputy Minister on June 30, 1971.

Respectfully submitted,

W. A. B. SAUNDERS, P.Eng.,
Deputy Minister of Public Works

THE FUNCTIONS OF THE DEPARTMENT OF PUBLIC WORKS

The Department of Public Works is required to provide suitable accommodation, the necessary furnishings and equipment to all departments of the government so that the departments may carry out the various functions required of them. Such accommodation is provided in buildings rented, purchased or constructed by the Department of Public Works. The department is responsible for the construction of all provincial government buildings.

The chief officials of the department are:

Minister of Public Works	Honourable W. O. Backus, M.D.
Deputy Minister of Public Works	W. A. B. Saunders, P.Eng.
Assistant Deputy Minister of Public Works	G. D. Menzies, M.R.A.I.C.
Director of Design and Construction	J. F. Hunt, P.Eng.
Chief Architect	N. M. Fleming, M.R.A.I.C.
Project Director (Calgary)	V. G. Bathory, M.R.A.I.C.
Chief Engineer	H. H. Neelands, P.Eng.
Director of Physical Plant	W. S. Davies, P.Eng.
Physical Plant Administrator	L. A. Undershultz
Physical Plant Administrator	R. C. Kendal
Administrative Accountant	K. C. Thomas
Chief Construction Engineer	E. M. Silver, P.Eng.
Property Administrator	E. E. Wilson
Personnel Officer	W. A. R. Barry

The department is also responsible for the servicing and maintenance of provincial government-owned buildings, with the exception of various self-governing institutions such as the Universities, and this requires the services of a large group of men with assorted technical skills. Carpenters, plumbers, electricians and other tradesmen keep these buildings in good repair; gardeners maintain the surrounding grounds, which are quite extensive at some locations, caretakers keep the buildings clean; men operate the elevators and watchmen guard the buildings at night.

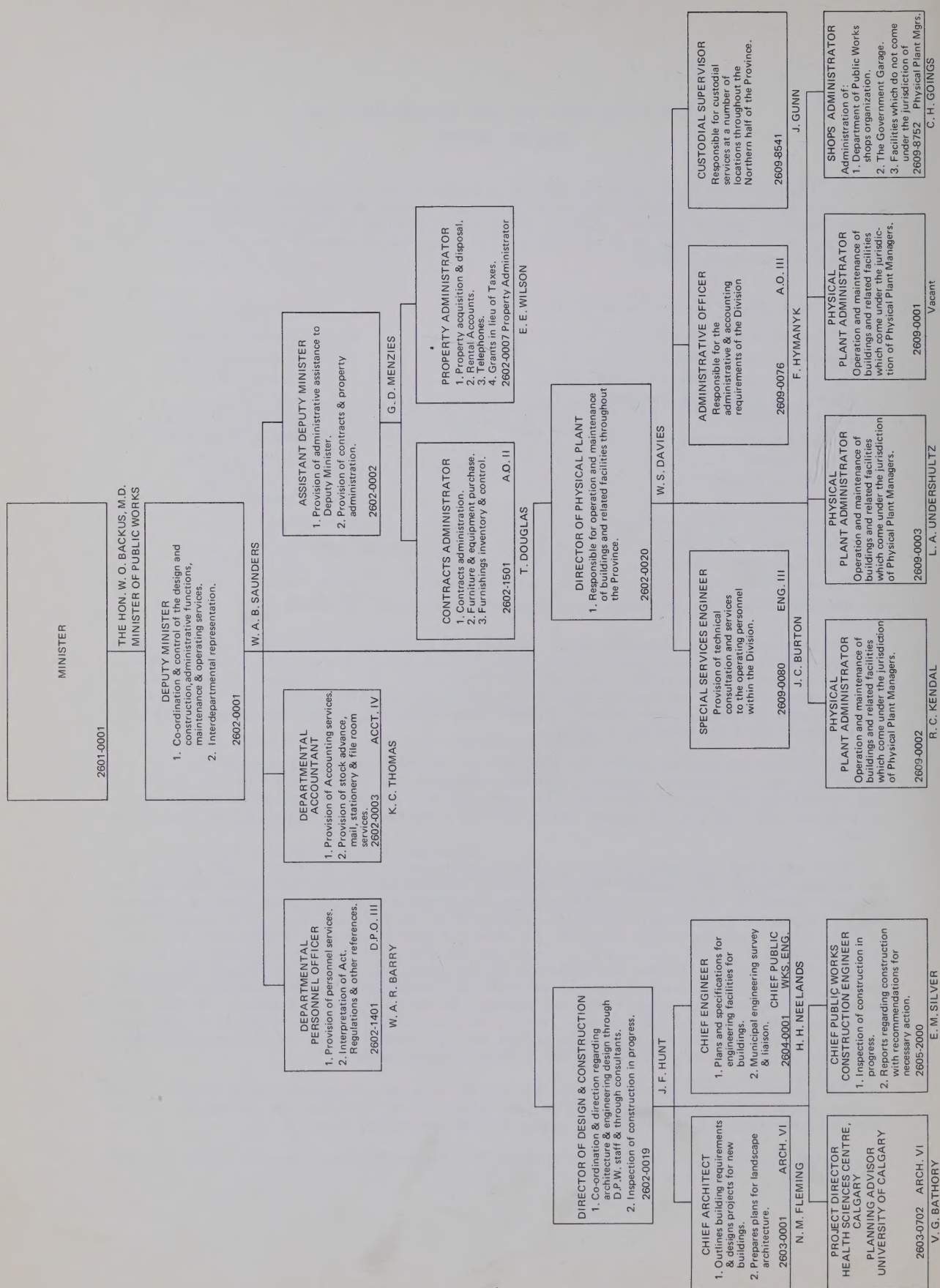
The extensive program of construction which we are presently undertaking requires not only the services of a staff of architects, engineers, draftsmen, surveyors and building inspectors who design and plan the buildings and supervise the work of the contractors but, also, the engagement of private consulting architects and engineers. A resume dealing with the engagement of consultants follows later in this report.

Some urgent and also minor construction work is undertaken by our own forces. Such work is kept to a minimum because it is the policy of the department to have whatever construction work necessary done whenever possible by the contractors. This requires the department to maintain a staff of tradesmen which is augmented by temporary staff as the requirements of the work necessitate. The department also operates various trade-shops where furniture and equipment such as laboratory benches, etc. are made.

A group of engineers, firemen, and tradesmen working under the Director of Physical Plant is responsible for the supply of electrical power, heat, water and sewage disposal at the twenty-two largest institutions. These men also design, install and maintain the special equipment necessary. At these institutions, farm machinery, milking, canning, laundry, kitchen and fire fighting equipment is maintained and kept in good repair by the staff. The utilities and maintenance service of a large institution is comparable to the servicing of a town of two or three thousand people.

The department has a number of other functions including the arrangements for the installation and rental of telephones, rental of parking stalls on government property throughout the province to civil servants and, when required, the buying and leasing of lands for building sites.

A garage located on the ground floor of Block "E", Terrace Building, Edmonton, services the automobile fleet of the government.



CALLING TENDERS AND AWARDING CONTRACTS

Departments of the government which need additional work space submit their space requirements to the Department of Public Works. If, in order to provide this additional space, a new building is deemed necessary, the Properties Section acquires a suitable building site and prepares a program of requirements for the architectural office. The architects, in turn, effect liaison with the departments concerned, and the actual space requirements and the purpose of the proposed building are determined. In cooperation with the departments which will be housed in the building, preliminary plans are drawn and, from such plans, an estimate of construction cost is obtained. A sum of money is submitted in the annual estimates for the next fiscal year for approval by the Legislature. The actual amount of money requested is dependent upon the amount of construction that this department estimates will be done in the following fiscal year. If actual construction is not expected in the following fiscal year, a nominal sum not exceeding \$10,000.00 is requested to cover preliminary investigations on the site, which may include soil testing and/or utility line relocations.

The design and basic construction and materials of which the structure will be built are determined by the Director of Design and Construction in consultation with his technical staff and with any private consultants who may have been commissioned. Their recommendations in the form of sketch proposals accompanied by a full report and budget are then submitted to the Deputy Minister for approval and referral to the user department. When the proposals are approved by the department concerned, the Minister of Public Works is requested to submit the proposal to the Treasury Board and to obtain approval to proceed with final plans. Detailed plans are then drawn and submitted for approval to the Deputy Minister, bearing the signatures of the Director of Design and Construction, the Chief Architect and the Chief Engineer. If approval is obtained from the Deputy Minister, the plans are then submitted to the Minister of the department concerned and this Minister is requested to sign the plans. Finally, the plans are submitted to the Minister of the Department of Public Works with a request that he obtain Treasury Board approval to call tenders on the project. When Treasury Board approval has been obtained, tenders are then called.

Advertisements calling for tenders are placed in the major newspapers throughout the province and in trade papers, and such advertisements usually run for a period of two days. Advertisements are also placed in newspapers of major centres across the country for tenders on larger projects.

The size of the project under construction determines the length of the "tender period". All tenders are opened in public at two o'clock on a Thursday afternoon in the Conference Room of the Department of Public Works. The department will consider the use of acceptable alternate materials to those specified during the tender period, but applications for such alternate approvals will not be accepted later than a stipulated time, usually fourteen days prior to the closing date of tenders. No request for the employment of alternate materials is considered after the contract has been awarded. When it is necessary to issue addenda approving alternate materials or clarifying a change in design, such addenda are issued at least seven days prior to the closing of tenders and, incidentally, these addenda are sent by double registered mail to any contractor who has indicated his intention to bid on the project by obtaining plans and specifications. The plans and specifications are available on payment of a nominal deposit to those firms registered in or eligible for registration in the Province of Alberta. This is refunded when the plans and specifications are returned to the department within a specified time limit. Additional copies of the plans and specifications are also sent to the Construction Associations in the major cities throughout the province and to the other major cities in Canada in the case of larger projects. Plan Room Services provided by these Associations to their members are of considerable benefit to the department, as trade contractors and suppliers who are otherwise unable to obtain plans and specifications may prepare their quotations using the facilities of the Associations.

During the past year, the department has continued to use the services of the Alberta Bid Depository for all contracts exceeding \$100,000.00. The Alberta Bid Depository is operated by the Alberta Construction Association, which represents the building industry in Alberta. This system requires all subcontractors to send to the Alberta Bid Depository any bids the subcontractor wishes to submit to a general contractor. The Alberta Bid Depository distributes to the general contractors the bids received from the subcontractors.

Each tenderer must submit with his tender a sum of not less than 10% of the total tender price or a stipulated amount. While such deposit is usually a Bid Bond, the department accepts cash, Dominion of Canada Bearer Bonds or a certified cheque. At the close of the tender opening, the tender deposits submitted by the two lowest tenderers are held pending a review of tenders. The lowest tender is checked carefully by the department Tendering Committee to ensure that it complies with the specifications and

that all subcontractors are shown and that those shown are acceptable to the department. A bid sheet is prepared and signed by the committee that opened the tenders and is forwarded to the Minister of Public Works with a press release giving complete details. Following the Minister's approval, a letter of intent is forwarded by the department to the successful tender advising that contract documents are being prepared for his signature. The contract documents are prepared in duplicate and forwarded to the contractor. When returned properly signed by the contractor, they are then signed by the Minister of Public Works.

When the successful contractor returns the signed contract documents to the department, he may substitute his tender deposit with a Performance Bond. If he does not do this but leaves as a guarantee or security deposit the original certified cheque or replaces this cheque with negotiable bonds equal to 10% of the total tendered price, the department retains as a holdback 10% of the total of each progress estimate. However, if the contractor does substitute a Performance Bond for his original tender deposit, the department retains 15% of the total of each progress estimate. It will thus be seen that when the contractor has completed the project, the department has either:

1. Negotiable bonds equal to 10% of the total tendered price or the amount submitted as a certified cheque along with the tender as a guarantee for the satisfactory completion of the contract and also a holdback equal to 10% of the total payments made by progress estimates, or
2. A Performance Bond as a guarantee for the satisfactory completion of the contract and also a holdback equal to 15% of the total payments made by progress estimates.

The department makes an inspection of the completed project and, if the contract has been completed to the satisfaction of the department, payment of the monies held back from the payment of each progress estimate is made to the contractor thirty days later. If the project is not completed to the satisfaction of the department, the payment of the monies held back from the payment of each progress estimate is withheld until all deficiencies have been corrected.

Performance Bonds expire one year after the acceptance of the project, thus providing a guarantee for that period. If a certified cheque or Government of Canada bonds equal to 10% of the tender price have been deposited as guarantee for the successful completion of the contract, the security deposit is returned to the contractor progressively during the warranty year.

On the following pages will be found a list of tenders called and contracts awarded during the fiscal year under review. Previous annual reports have included detailed description of the majority of the projects under construction during the year. This section of the report has been discontinued; however, information on specific projects may be obtained by interested parties on application to the department. Such applications may be forwarded to the attention of Honourable W. O. Backus, M.D., Minister of Public Works, Legislative Building, Edmonton, Alberta.

TENDERS CALLED AND CONTRACTS AWARDED

The following bids were opened in public and contracts awarded during the fiscal year which ended March 31, 1971. Bids marked with an asterisk were withdrawn by the tenderers before this department had forwarded a letter of acceptance to the bidder, or were rejected by this department because the bidder failed to comply with the regulations governing the submission of tenders. Where a valid low bid was withdrawn or rejected and the contract awarded to the second lowest bidder, authority for so doing was obtained by Order of the Lieutenant Governor in Council.

CONTRACT TENDERED FOR AND TENDERERS

AMOUNT BID

EARTHDAM, SPILLWAY & RELATED WORK,
TREE NURSERY, OLIVER. April 2, 1970

Devon Thread and Pipe	\$ 70,201.00
W. C. Wells Construction Co. Ltd.	69,891.00
J. M. Clayton Construction	63,496.00
North American Road	60,971.00
Square M. Construction	60,883.00
Whissell Enterprises Ltd.	56,978.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID**

H. Hansen's Construction	56,154.00
Camwil Construction Ltd.	53,784.00
Steffler Construction	51,657.00
Alta-West Construction Ltd.	48,721.00
D. A. McIntyre	48,718.00
Horth Construction	47,771.00
Poole Construction Ltd. awarded	46,592.00

CALDER TREASURY BRANCH, EDMONTON. April 2, 1970.

Nor-Way Construction Ltd.	97,343.00
McRae & Associates Construction (1969) Ltd.	96,237.00
Summit Construction Ltd.	95,271.00
Alta-West Construction Ltd.	92,929.00
Poole Construction Ltd.	91,797.00
Watson (Tofield) Ltd.	87,535.00
Werner Construction	86,260.00
H.H.A.J. Developments Ltd.	85,330.00
Bird Construction Co. Ltd.	84,946.00
Joslyn & Olsen Contractors Ltd.	84,487.00
D. S. Greenfield Construction Ltd.	82,444.00
M. Drewoth Construction Ltd. awarded	77,130.00

**PAVING AND RELATED WORK, PHASE 1, TILLEBROOK
TRANS-CANADA CAMPSITE - PROVINCIAL PARK. April 2, 1970**

Standard-General Construction	104,361.00
Gallelli & Sons	101,188.50
Star Blacktop Limited	77,675.00
Everall Construction (Edmonton) Ltd.	74,812.00
Eureka Paving	73,645.00
..... awarded	

**SEWERAGE SYSTEM, Vb, UNIVERSITY OF ALBERTA,
EDMONTON. April 23, 1970.**

Cana Construction Co. Ltd.	178,115.00
Alta-West Construction Ltd.	144,985.00
Whissell Enterprises Ltd. awarded	108,245.99

**WATER DISTRIBUTION SYSTEM, PHASE II, UNIVERSITY OF
ALBERTA AREA UTILITIES, EDMONTON. April 23, 1970.**

Arthur A. Voice Construction Co. Ltd.	220,423.50
Whissell Enterprises Ltd.	211,262.65
Cana Construction Co. Ltd.	210,542.00
Borger Construction Ltd.	198,279.95
Alta-West Construction Ltd. awarded	186,716.00

**Water Line, STAGE III, FORT SASKATCHEWAN,
REDWATER & COUNTY OF STRATHCONA. April 23, 1970.**

Whissell Enterprises Ltd.	187,400.00
Trans-Provincial Construction	184,850.00
Alta-West Construction Ltd.	155,981.00
Fernhout Mechanical Ltd.	144,840.00
Watson (Tofield) Ltd. awarded	143,280.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID**

SPRINKLER IRRIGATION PUMPING STATION & SUPPLY
LINE — CAMPGROUND CIRCLES & PICNIC SHELTERS,
PH. 1, TILLEBROOK TRANS-CANADA CAMPSITE,
PROVINCIAL PARK. April 30, 1970.

Alberta Furnace & Steam Cleaners Ltd.	75,318.00
Graig's Construction (Pincher Creek) Ltd.	67,178.66
Bell & Fountain Contractors Ltd.	56,900.00
Poole Construction Ltd.	54,625.00
Borger Construction Ltd.	51,518.00
Bird Construction Co. Ltd.	48,169.00
Rittinger Construction Ltd.	45,446.50
D. & H. Construction Ltd.	45,346.00
Paul Stober Construction Ltd. awarded	42,396.20

WATER MAINS, DEPARTMENT OF PUBLIC WORKS
WAREHOUSE, LAMBTON PARK, EDMONTON. June 4, 1970.

Cummings Ditching Ltd.	15,873.39*
Whissell Enterprises Ltd.	14,795.80
Borger Construction Ltd.	12,992.50
Noyen Construction Ltd.	12,919.54
Western Hoe & Crane Ltd. awarded	12,595.50

PAVING AND RELATED WORK, COURTHOUSE,
MEDICINE HAT. June 4, 1970.

Eureka Paving awarded	4,195.00
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PAVING & RELATED WORK, ALBERTA HOSPITAL,
CLARESHOLM. June 11, 1970.

Eureka Paving awarded	14,735.00
Southern Paving Ltd. awarded	9,761.50

GRADING & GRAVELLING, ALBERTA OFFICE BUILDING,
EDMONTON. June 11, 1970.

Hudson Construction Co. Ltd. awarded	4,290.00
J. B. McDonald & Son Contractors Edmonton Ltd.	3,001.00*

QUEEN'S PRINTER BUILDING, EDMONTON. June 11, 1970.

The Foundation Co. of Canada Ltd.	626,900.00
SerCon Contractors Ltd.	619,000.00
Laing Construction & Equipment Ltd.	617,948.00
Forest Construction Ltd.	617,594.00
Alta-West Construction Ltd.	593,445.00
Poole Construction Ltd.	582,443.00
Prevale Construction Ltd.	580,700.00
Bird Construction Co. Ltd.	577,178.00
Smith Bros. & Wilson, Ltd.	575,575.00
Trans-Alta Construction Ltd.	573,785.00
Christensen & Macdonald Construction Ltd.	571,244.00
Stuart Olson Construction Ltd.	566,650.00
A. V. Carlson Construction Ltd. awarded	563,860.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****CAMPGROUND DEVELOPMENT, PIGEON LAKE PROVINCIAL PARK. June 18, 1970.**

Alta-West Construction Ltd.	144,788.01
H. Hansen Construction Co. Ltd.	131,545.00
Whissell Enterprises Ltd.	116,884.59
Western Hoe & Crane Ltd.	109,642.00
Borger Construction Limited awarded	104,982.00

CAMPGROUND DEVELOPMENT, PHASE I, MIQUELON LAKE PROVINCIAL PARK. June 18, 1970.

Borger Construction Ltd.	201,920.00
Whissell Enterprises Ltd.	199,937.68
Noyen Construction Ltd. awarded	169,786.50

EXTENSION TO WATER SUPPLY SYSTEM, PROVINCIAL JAIL, FORT SASKATCHEWAN. June 18, 1970.

Cana Engineering Ltd.	52,560.00
Patco Construction Ltd.	32,610.00
Nikiforuk Construction Ltd.	27,938.50
Whissell Enterprises Ltd.	27,573.45
Borger Construction Limited awarded	25,393.00
Fort Services and Ditching Ltd.	24,901.13
Noyen Construction Ltd.	22,722.55
Western Hoe & Crane Ltd. awarded	22,139.00

SENIOR CITIZENS' HOME, LAC LA BICHE. June 18, 1970.

Engineered Homes Ltd.	456,869.00
Unalta Construction Ltd.	439,439.00
Enterprise Building Contractors Ltd.	424,030.00
Norman Nilsen Construction Ltd.	422,517.00
Lenrice Engineering Ltd.	417,514.00
Silisky Construction Ltd.	417,186.00
Christenson Contractors Ltd.	415,500.00
Bird Construction Co. Ltd.	414,588.00
M. & M. Construction Ltd.	409,590.00
McRae & Associates Construction (1969) Ltd.	404,076.00
Trans-Alta Construction Ltd.	403,978.00
Alta-West Construction Ltd. awarded	402,843.00

SENIOR CITIZENS' HOME, THORHILD. June 18, 1970.

Engineered Homes Ltd.	452,042.00
Unalta Construction Ltd.	422,922.00
Lenrice Engineering Ltd.	415,514.00
M. & M. Construction Ltd.	407,590.00
Enterprise Building Contractors Ltd.	404,809.00
Bird Construction Co. Ltd.	404,288.00
Silisky Construction Ltd.	402,575.00
Christenson Contractors Ltd.	402,500.00
McRae & Associates Construction (1969) Ltd.	401,029.00
Alta-West Construction Ltd.	399,719.00
Norman Nilsen Construction Ltd.	399,646.00
Trans-Alta Construction Ltd. awarded	397,786.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****ALBERTA VOCATIONAL CENTRE, CALGARY. July 9, 1970.**

Dawson & Hall Limited	5,203,452.00
Smith Bros. & Wilson, Limited	5,113,500.00
Laing Construction and Equipment Limited	5,047,000.00
Cascade Builders Limited	4,987,000.00
Hashman Construction Limited	4,956,034.00
Prairie West Construction Ltd.	4,943,000.00
Forest Construction Ltd.	4,941,205.00
Poole Construction Ltd.	4,933,979.00
Commonwealth Construction Co. Ltd.	4,922,222.00
Janin Western Contractors Limited	4,899,300.00
Cana Construction Co. Ltd.	4,778,778.00
SerCon Contractors Ltd. awarded	4,575,875.00

**GRADING, GRAVELLING & PAVING, BELMONT
REHABILITATION CENTRE. July 16, 1970.**

Everall Construction (Edmonton) Ltd.	5,320.90
O'Hanlon Paving Ltd.	5,075.00
W. C. Wells Construction Co. Ltd. awarded	3,805.00

**WATER AND SEWER EXTENSION, PHASE II, ALBERTA
HOSPITAL, EDMONTON. July 16, 1970.**

Whissell Enterprises Ltd.	77,266.20
Alta-West Construction Ltd.	75,240.54
Western Hoe & Crane Ltd.	56,615.00
Borger Construction Limited awarded	54,874.50

**SITE DEVELOPMENT (PAVING & RELATED WORK),
DEERHOME, RED DEER. July 30, 1970.**

Border Paving Ltd. awarded	28,905.80
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**PAVING AND RELATED WORK, ALBERTA HOSPITAL,
EDMONTON. July 30, 1970.**

Edmonton Paving Services Ltd.	97,591.75
O'Hanlon Paving Ltd.	74,785.50
Everall Construction (Edmonton) Ltd.	72,136.00
W. C. Wells Construction Ltd. awarded	68,978.40

**SITE DEVELOPMENT (PAVING AND RELATED WORK),
ALBERTA HOSPITAL, PONOKA. July 30, 1970.**

Border Paving Ltd. awarded	29,681.50
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**PAVING AND RELATED WORK, ALBERTA PETROLEUM
INDUSTRY TRAINING CENTRE, EDMONTON. August 6, 1970**

W. C. Wells Construction Ltd.	11,762.45
Edmonton Paving Services Ltd.	11,081.90
Everall Construction Ltd.	10,890.00
O'Hanlon Paving Ltd. awarded	9,577.50

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID**

SEWAGE DISTRIBUTION SYSTEM, PHASE VI,
UNIVERSITY OF ALBERTA, EDMONTON. August 6, 1970.

Poole Engineering Co. Ltd.	464,660.00
Cana Engineering Ltd.	431,045.00
Alta-West Construction Ltd. awarded	392,865.00

SANITARY SEWER TIE-IN. TREE NURSERY,
OLIVER. August 6, 1970.

Borger Construction Ltd.	46,670.50
Whissell Enterprises Limited	40,084.75
Alta-West Construction Ltd.	38,870.00
Fort Services & Ditching Ltd.	38,859.50
Nikiforuk Construction Ltd.	39,156.00
N. S. Pawliuk & Son Contracting Ltd.	33,075.20
Western Hoe & Crane Ltd. awarded	30,932.50

UTILITIES, PEACE RIVER REGIONAL VETERINARY
LABORATORY, FAIRVIEW. August 13, 1970.

Alta-West Construction Ltd.	70,743.00
J. T. Fraser Construction Ltd. awarded	31,543.75

TURBINE & CONTROL CONSOLE (HIGH PRESSURE
PIPING), ALBERTA HOSPITAL, EDMONTON. August 13, 1970.

Dowell Mechanical Services Ltd.	94,000.00
Trans Provincial Construction Ltd.	87,790.00
Gloge Heating & Plumbing Ltd.	79,891.00
Dominion Bridge Co. Ltd.	75,803.00*
Lockerbie & Hole (Western) Limited awarded	69,893.00

SITE DEVELOPMENT, PROVINCIAL JAIL,
LETHBRIDGE. August 13, 1970.

Tollestrup Construction Limited awarded	15,786.00
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SITE DEVELOPMENT (CURB, GUTTER & WALKS),
N.A.I.T., EDMONTON. August 13, 1970.

West End Concrete & Rentals Limited awarded	4,150.40
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SITE DEVELOPMENT, (ASPHALT WEARING SURFACE
RESTORATION), N.A.I.T., EDMONTON. August 13, 1970.

Edmonton Paving Services Limited awarded	1,565.00
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ERECTION AND COMPLETION OF A COURTHOUSE,
FORT MACLEOD. August 27, 1970.

Rittinger Construction Ltd.	239,800.00
Henry Hardy Construction Ltd.	233,933.00
McTavish, MacKay & Co. Ltd.	229,400.00
Bayker Construction Limited	222,600.00
Bird Construction Co. Ltd.	218,400.00
Glen Little Construction Ltd.	208,900.00
D. S. Greenfield Construction Ltd.	208,608.98
Getkate Masonry Construction Ltd.	208,596.00
Gillett Construction Limited awarded	207,800.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****PAVING AND RELATED WORK, SOUTHERN ALBERTA
INSTITUTE OF TECHNOLOGY, CALGARY. August 27, 1970.**

Standard General (International) Ltd.	14,896.50
Calgary Concrete Limited awarded	12,218.50

**IRRIGATION LINES - AGRICULTURAL AND
VOCATIONAL COLLEGE, FAIRVIEW. August 27, 1970.**

Continental Landscapers Limited	8,934.50*
McMillan Trenching Limited awarded	10,988.18

**PAVING AND RELATED WORK, NORTHERN ALBERTA INSTITUTE
OF TECHNOLOGY, EDMONTON. August 27, 1970.**

Edmonton Paving Ltd.	28,253.00
O'Hanlon Paving Ltd.	19,150.50
Everall Construction Ltd.	17,515.00
W. C. Wells Construction Ltd. awarded	17,003.50

**SITE DEVELOPMENT (PAVING & RELATED), SERVICES
DISTRIBUTION SYSTEM - TO CONTINUE, AGRICULTURAL
& VOCATIONAL COLLEGE, VERMILION. September 3, 1970.**

Everall Construction (Edmonton) Ltd.	96,851.00
W. C. Wells Construction Co. Ltd. awarded	96,052.09

**CAMPGROUND DEVELOPMENT PHASE I TO COMPLETE
(WATER DISTRIBUTION SYSTEM CONTRACT #2) MIQUELON
LAKE PROVINCIAL PARK. September 17, 1970.**

Alta-West Construction Ltd.	35,569.00
Borger Construction Ltd.	33,449.00
Noyen Construction Ltd. awarded	26,792.50

**SITE DEVELOPMENT, AGRICULTURAL & VOCATIONAL
COLLEGE, OLDS. September 24, 1970.**

Alta-West Construction Ltd.	80,142.50
Everall Construction (Edmonton) Ltd.	60,499.80
Border Paving Ltd.	59,682.00
Gallelli Construction Materials Ltd. awarded	57,715.25

**ADDITION TO TREASURY BRANCH, JASPER PLACE,
EDMONTON. October 1, 1970.**

Krawford Construction Ltd.	92,389.00
Grady Construction Ltd.	83,146.00
M. Drewoth Construction Ltd.	81,800.00
Dot Holdings Limited awarded	77,750.00

**EXTENSION OF HIGH VOLTAGE CABLE SYSTEM,
GOVERNMENT AREA, EDMONTON. October 1, 1970.**

Doug Smith Electric Ltd.	125,800.00
Robt. Wood Electric Ltd.	122,516.00
Industrial Power Installations (Edmonton) Ltd.	114,782.00
Progress Electric Ltd.	108,287.00
Canadian International Comstock Co. Ltd. awarded	104,795.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID**

ADDITIONAL POWER LINE & UPGRADING SWITCHBOARD,
WELL PUMP - LINE IRRIGATION - TO COMPLETE,
DEERHOME INSTITUTION, RED DEER. October 1, 1970.

Webster Drilling Ltd.	35,108.00
Hi-Rate Drilling Co. Ltd.	19,619.50*
Doering Drilling awarded	17,716.00

UTILITIES DISTRIBUTION SYSTEM, TO CONTINUE,
(PHASE II - TUNNEL) HEALTH SCIENCES CENTRE,
CALGARY. October 8, 1970.

The Foundation Co. of Canada Ltd.	338,155.00
McTavish, McKay & Co. Ltd.	329,000.00
Poole Construction Ltd.	317,325.00
Cana Engineering Ltd. awarded	309,955.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS &
TRANSPORT, BON ACCORD. October 8, 1970.

Bird Construction Co. Ltd.	68,029.00
Challenge Homes Ltd.	62,300.00
Cramer & Bennett Holding Co. Ltd.	60,284.00
Samalta Engineering Ltd.	58,991.00
Selkirk Construction Ltd.	54,729.00
McRae & Associates Construction (1969) Ltd.	52,628.00
Joslyn & Olsen Contractors Ltd.	52,551.00
Dan Bilodeau Construction Ltd.	51,600.00
D. S. Greenfield Construction Ltd.	49,100.00
Watson (Tofield) Ltd. awarded	45,044.00
G. F. M. Construction	43,088.00*
M. Drewoth Construction Ltd.	37,760.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS &
TRANSPORT, MORINVILLE. October 8, 1970.

Challenge Homes Ltd.	62,300.00
Bird Construction Co. Ltd.	58,812.00
Samalta Engineering Ltd.	54,841.00
Cramer & Bennett Holding Co. Ltd.	53,790.00
Selkirk Construction Ltd.	51,795.00
McRae & Associates Construction (1969) Ltd.	51,201.00
Nor-Way Construction Ltd.	50,994.00
Dan Bilodeau Construction Ltd.	49,980.00
D. S. Greenfield Construction Ltd.	49,258.00
Watson (Tofield) Ltd.	44,769.00
M. Drewoth Construction Ltd. awarded	36,850.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS &
TRANSPORT, KILLAM. October 8, 1970.

Challenge Homes Ltd.	72,190.00
Bird Construction Co. Ltd.	65,219.00
Cramer & Bennett Holding Co. Ltd.	59,685.00
Dan Bilodeau Construction Ltd.	57,900.00
Joslyn & Olsen Contractors Ltd.	57,495.00
Wolski Building Contractors Ltd.	55,977.00
D. S. Greenfield Construction Ltd.	51,620.00
Watson (Tofield) Ltd.	51,560.00
Ras-Dam Construction Ltd.	48,990.00
Saracen Construction Ltd. awarded	47,900.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, KINUSO. October 8, 1970.**

Bird Construction Co. Ltd.	79,750.00
Cramer & Bennett Holding Co. Ltd.	73,412.00
Challenge Homes Ltd.	72,285.00
McRae & Associates Construction (1969) Ltd.	64,977.00
Joslyn & Olsen Contractors Ltd.	61,549.00
Thorsell - Logan Contracting Ltd.	60,666.00
Dan Bilodeau Construction Ltd. awarded	59,900.00

FIVE STALL MAINTENANCE & REPAIR SHOP, DEPARTMENT OF HIGHWAYS & TRANSPORT, HINTON. October 8, 1970.

Bird Construction Co. Ltd.	121,880.00
Cramer & Bennett Holding Co. Ltd.	103,524.00
Joslyn & Olsen Contractors Ltd.	92,575.00
B. Guthrie Engineering Co. Ltd.	91,848.00
Polaris Construction Ltd.	89,977.00
Watson (Tofield) Ltd.	88,896.00
Gill-B Construction Ltd. awarded	85,775.00

GENERAL CONTRACT FOR SERVICES CORRIDOR, PHASE III (A/B), UNIVERSITY OF ALBERTA, EDMONTON. October 8, 1970.

The Foundation Co. of Canada Ltd.	1,776,706.00
Alta-West Construction Ltd.	1,709,348.00
SerCon Contractors Ltd.	1,697,900.00
Camwil Construction	1,620,187.00
W. C. Wells Construction Co. Ltd.	1,570,000.00
Bird Construction Co. Ltd.	1,553,432.00
Poole Construction Ltd.	1,545,280.00
Laing Construction & Equipment Ltd.	1,524,400.00
Cana Engineering Ltd. awarded	1,479,550.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, RED DEER. October 8, 1970.

Challenge Homes Ltd.	73,490.00
Wilson Arches Ltd.	71,660.00*
Bird Construction Co. Ltd.	69,036.00
Selkirk Construction Ltd.	61,337.00
Cramer & Bennett Holding Co. Ltd.	58,345.00
W. R. Sandquist Construction Ltd.	58,000.00
A. Grieb Construction Co. Ltd.	52,107.00
Harsim Construction Ltd.	50,436.00
D. S. Greenfield Construction Ltd. awarded	47,748.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, FORT MACLEOD. October 15, 1970.

Challenge Homes Ltd.	57,600.00
Glen Little Construction Ltd.	57,428.00*
Bird Construction Co. Ltd.	55,500.00
Gillett Construction Ltd.	54,566.00
D. S. Greenfield Construction Ltd. awarded	52,266.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, BEISEKER. October 15, 1970.**

Boulder Construction Ltd.	61,397.00
Challenge Homes Ltd.	57,600.00
Celtic Construction Ltd.	56,700.00
Watson (Tofield) Ltd.	55,183.00
D. S. Greenfield Construction Ltd. awarded	54,472.00

SIX STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, COCHRANE. October 15, 1970.

Bayker Construction Ltd.	75,820.00
Poole Construction Ltd.	72,324.00
Wilson Arches Ltd.	71,759.00
Challenge Homes Ltd.	68,700.00
D. S. Greenfield Construction Ltd.	67,765.00
Celtic Construction Ltd.	66,533.00
Boulder Construction Ltd. awarded	65,308.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, OLDS. October 15, 1970.

Poole Construction Ltd.	66,394.00
Boulder Construction Ltd.	62,292.00
W. R. Sandquist Construction Ltd.	59,927.00
D. S. Greenfield Construction Ltd.	59,700.00
Challenge Homes Ltd.	57,600.00
Celtic Construction Ltd.	54,924.00
Watson (Tofield) Ltd. awarded	54,228.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, OYEN. October 15, 1970.

Challenge Homes Ltd.	57,666.00
Paul Stober Construction Ltd.	53,346.35
Greene Construction Co. Ltd.	52,251.00
Saracen Construction Ltd. awarded	51,463.00

SIX STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, EAST CALGARY. October 15, 1970.

McTavish, McKay & Co. Ltd.	76,857.00*
Bayker Construction Ltd.	75,349.00
D. S. Greenfield Construction Ltd.	74,765.00
Poole Construction Ltd.	74,194.00
Wilson Arches Ltd.	73,349.00
Boulder Construction Ltd.	68,928.00
Celtic Construction Ltd.	68,753.00
Challenge Homes Ltd.	67,700.00
Joyce Construction Ltd. awarded	64,338.00

FOUR STALL GARAGE, DEPARTMENT OF HIGHWAYS & TRANSPORT, VULCAN. October 15, 1970.

Poole Construction Ltd.	79,534.00
Glen Little Construction Ltd.	64,643.00
Bird Construction Co. Ltd.	63,900.00
Gillett Construction Ltd.	63,509.00
Boulder Construction Ltd.	62,254.00
Challenge Homes Ltd.	58,800.00
D. S. Greenfield Construction Ltd.	58,654.00
Schuler Construction Ltd. awarded	58,393.61

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****CENTRAL COOLING PLANT (CONDENSER WATER PUMP STATION), UNIVERSITY OF ALBERTA AREA, EDMONTON. October 29, 1970.**

Brown & Root Ltd.	327,800.00
Meccon Installations Ltd.	282,282.00
Lockerbie and Hole Western Ltd.	274,389.00
Carse, Anderson Ltd.	269,947.00
Canadian International Comstock Co. Ltd.	269,450.00
Jamison & Kruger Co. Ltd.	265,697.00
Haddow and Maughan Ltd.	258,850.00
Cam-Set Mechanical Contractors Ltd. awarded	248,559.00

OFFICE BUILDING, TREE NURSERY, OLIVER. October 29, 1970.

Krawford Construction Ltd.	70,469.00
McRae & Associates Construction (1969) Ltd.	63,849.00
State Construction Ltd.	62,485.00
Harsim Construction Ltd.	62,260.00
Christenson Contractors Ltd.	61,750.00
Smith Bros. & Wilson, Ltd.	60,329.00
Bird Construction Co. Ltd.	55,300.00
D. S. Greenfield Construction Ltd.	54,545.00
H. H. A. J. Development Ltd.	53,899.00
Ras-Dam Construction Ltd.	53,333.00
Grady Construction Ltd.	52,539.00
M. Drewoth Construction Ltd.	52,100.00
Challenge Homes Ltd. awarded	51,800.00

SITE DEVELOPMENT, UNDERGROUND PARKING AND RELATED ALTERATIONS, COURTHOUSE, CALGARY. November 6, 1970.

McTavish, McKay & Co. Ltd.	459,500.00
Bennett & White Alberta (1963) Ltd.	436,831.00
The Foundation Co. of Canada Ltd.	430,617.00
Poole Construction Ltd.	411,818.00
Cascade Builders Ltd.	395,000.00
Smith Bros. & Wilson, Ltd. awarded	387,573.00

ONE STALL GARAGE ADDITION AND F/M STORAGE AND CARPENTER SHOP, ROCKY MOUNTAIN HOUSE. November 12, 1970.

Saracen Construction Ltd.	53,726.00
F. Avery Construction	49,885.00
W. R. Sandquist Construction Ltd.	49,790.00
A. Grieb Construction Co. Ltd.	48,848.00
Briden Construction Ltd.	47,000.00
Bilodeau & Sons Construction Ltd.	46,720.00
Ras-Dam Construction Ltd. awarded	43,980.00

ELECTRICAL DISTRIBUTION SYSTEM - FISH HATCHERY & REARING STATION, CALGARY. November 19, 1970

Sunley Electric Ltd.	19,925.00
Hume & Rumble Ltd.	19,573.00*
Western Electrical Constructors Ltd.	18,687.00
Canadian International Comstock Co. Ltd.	17,800.00
Larsen Electric Ltd.	16,673.00
Industrial Power Installation (Calgary) Ltd. awarded	16,484.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID****WATER WELL INSTALLATION, FISH HATCHERY & REARING STATION, CALGARY. November 19, 1970.**

Hi-Rate Drilling Co. Ltd.	55,915.00
Becker Drills Ltd.	51,297.00
Sando Drilling Ltd.	49,170.00
Webster Drilling Ltd. awarded	45,854.10

GYMNASIUM, ALBERTA VOCATIONAL TRAINING CENTRE, FORT McMURRAY. November 26, 1970.

McRae & Associates Construction (1969) Ltd.	207,993.00
H.H.A.J. Developments Ltd.	207,000.00
Poole Construction Ltd.	206,197.00
Norman Nilsen Construction Ltd.	204,611.00
State Construction Ltd.	202,800.00*
A. V. Carlson Construction Ltd.	198,368.00
Camwil Construction	197,400.00
Cavan Construction Ltd.	196,679.00
Alta-West Construction Ltd. awarded	187,500.00

EXTEND UTILITIES & INCLUDE LIFT STATION (WATER SUPPLY), AGRICULTURAL & VOCATIONAL COLLEGE, FAIRVIEW. December 3, 1970.

North American Road Ltd.	33,839.00
Alta-West Construction Ltd.	32,650.00
Nikiforuk Construction Ltd.	28,855.00
J. T. Fraser Construction Ltd. awarded	17,050.00

TREASURY BRANCH, GRIMSHAW. December 17, 1970.

A.R.C. Construction Grimshaw Ltd. and Estabrook Construction Ltd.	83,695.00
Poole Construction Ltd.	82,606.00
Engineered Homes Ltd.	80,188.00
Powell Construction Ltd.	74,000.00
Gordey Construction Ltd. awarded	73,014.00

FLOOR TOPPING & DADO SEALING - WARD 10, ALBERTA SCHOOL HOSPITAL, RED DEER. January 12, 1971.

Flesher Marble & Tile (1962) Ltd.	22,070.00*
Hingley Terrazzo & Tile Ltd.	16,399.00
Columbia Tile & Terrazzo Ltd.	14,971.00*
Alberta Permaglaze Ltd.	10,594.00
Reeson Tile & Terrazzo Ltd.	9,785.00
Desco Coatings of Alberta Ltd. awarded	9,151.60
A. Clark Seamless Flooring Ltd.	8,990.00*

ADDITION TO FORESTRY HEADQUARTERS BUILDING, PEACE RIVER. January 14, 1971.

Dan Bilodeau Construction Ltd.	164,500.00
Alta-West Construction Ltd.	160,655.00
Engineered Homes Ltd.	158,000.00
Challenge Homes Ltd.	157,000.00
Norman Nilsen Construction Ltd.	151,858.00
State Construction Ltd.	149,609.00
Bird Construction Co. Ltd.	148,572.00
Joslyn & Olsen Construction Ltd.	140,424.00
Powell Construction Ltd.	139,329.00
Camwil Construction	136,770.00
Poole Construction Ltd. awarded	135,648.00

CONTRACT TENDERED FOR AND TENDERERS**AMOUNT BID**

UTILITY EXTENSIONS, AGRICULTURAL &
VOCATIONAL COLLEGE, OLDS, February 4, 1971.

Webster Drilling Ltd.	19,692.95
Lousana Water Wells	16,390.50
Doering Drilling	16,206.75
Forrester Water Well Drilling Ltd.	15,562.25
Kinsella Drilling Ltd. awarded	15,484.00

UTILITIES, SOUTH POWER PLANT (ABSORPTION UNIT #2 &
ADDITIONS), UNIVERSITY OF ALBERTA AREA, EDMONTON.
February 25, 1971.

Dominion Bridge Co. Ltd.	212,328.00
Brown & Root Ltd.	207,550.00
Lockerbie & Hole Western Ltd.	183,753.00
Carse Anderson Ltd.	183,000.00
Haddow & Maughan Ltd.	179,375.00
Cam-Set Mechanical Contractors Ltd.	169,640.00
Canadian International Comstock Co. Ltd. awarded	167,427.00

PROJECTS COMPLETED IN THE FISCAL YEAR 1970-1971

Project and Location	Contractor	Tender Price	Extras	Total Cost	Acceptance Date
FOOTNER LAKE - Office Addition	Thorsell-Logan Contracting Ltd.	\$ 40,794.00	\$ 1,738.00	\$ 42,532.00	April 28, 1970
RED DEER - A.L.C.B. Warehouse	Poole Construction Limited	\$ 276,927.00	\$ 2,855.82	\$ 279,782.82	April 30, 1970
CALGARY - Heating - Provincial Gaol	A. J. Shrubshall & Company Ltd.	\$ 26,776.00	\$ 3,700.21	\$ 30,476.21	May 15, 1970
CALGARY - Medical Sciences Wing, S.A.I.T. Block 'R'	Burns & Dutton Construction (1962) Ltd. (CANA Constr.)	\$ 1,836,000.00	\$ 12,155.83	\$ 1,848,155.83	May 15, 1970
SLAVE LAKE - Warehouse Building	Bilodeau & Sons Construction	\$ 69,400.00	\$ 500.00	\$ 69,900.00	May 29, 1970
GUNN - Three - 6-Bedroom Cottages	D. S. Greenfield Construction	\$ 59,999.00	\$ 814.96	\$ 60,813.96	June 1, 1970
CALGARY - A.L.C.B. Store - 17th Avenue & 11th Street	Boulder Construction Limited	\$ 169,606.00	\$ 4,190.08	\$ 173,796.08	June 8, 1970
EDMONTON - Provincial Parks Workshop - Bonaventure	A. V. Carlson Construction Ltd.	\$ 391,876.00	\$ 2,467.70	\$ 394,343.70	June 29, 1970
CZAR, HANNA & CASTOR - Salt Storage Sheds	Beton Structures Limited	\$ 16,767.00	\$ Nil	\$ 16,767.00	June 30, 1970
TILLEBROOK - Office & Laundry Facilities, Trans-Canada Campsite	Paul Stober Construction Ltd.	\$ 66,174.00	\$ 362.97	\$ 66,536.97	July 20, 1970
DAYSLAND - A.L.C.B. Store	C. Burrows Construction Ltd.	\$ 55,264.00	\$ 845.00	\$ 56,109.00	July 31, 1970
GRANDE CACHE - Provincial Building	Camwil Construction Limited	\$ 946,500.00	\$ 9,368.37	\$ 955,868.37	August 14, 1970
PEACE RIVER - A.L.C.B. Store	Redden Construction Limited	\$ 329,250.00	\$ 1,631.27	\$ 330,881.27	August 20, 1970
KILLAM - Treasury Branch	Joslyn & Olsen Contractors Ltd.	\$ 85,378.00	\$ 274.67	\$ 85,652.67	August 24, 1970
OLIVER - Packing Shed & Shipping Room	D. S. Greenfield Construction Ltd.	\$ 100,000.00	\$ 133.52	\$ 100,133.52	August 24, 1970
EDMONTON - Shop Addition to Alberta Liquor Control Board Warehouse	D. S. Greenfield Construction Ltd.	\$ 63,200.00	\$ 325.43	\$ 63,525.43	August 28, 1970

Project and Location	Contractor	Tender Price	Extras	Total Cost	Acceptance Date
MEDICINE HAT - Treasury Branch	D & H Construction Limited	\$ 98,289.00	\$ 799.83	\$ 99,088.83	September 1, 1970
EDMONTON - Alberta Petroleum Industry Training Centre	The Foundation Co. of Canada Ltd.	\$ 389,800.00	\$ 8,194.71	\$ 397,994.71	September 4, 1970
REDCLIFF - A.L.C.B. Store	F. Wahl Construction Limited	\$ 54,977.00	\$ 797.90	\$ 55,774.90	September 8, 1970
VARIOUS - Salt Storage Sheds (Total 19 Sheds)	Beton Structures Limited	\$ 111,891.00	\$ Nil	\$ 111,891.00	October 15, 1970
EDMONTON - Diagnostic Building #3	W. J. Bennett Contractors Limited	\$ 543,481.00	\$ 3,836.97 cr.	\$ 539,644.03	October 19, 1970
FAIRVIEW - Add. to Mechanics Bldg., #2	Joslyn & Olsen Contractors Ltd.	\$ 107,807.00	\$ 3,181.73	\$ 110,988.73	October 22, 1970
EDMONTON - Infirmary Bldg., Alta. Hospital	Brown & Root Limited	\$ 2,029,504.00	\$ 69,130.42	\$ 2,098,634.42	October 23, 1970
PROVOST - Treasury Branch	Watson (Tofield) Limited	\$ 85,850.00	\$ 229.60 cr.	\$ 85,620.40	October 28, 1970
EDMONTON - Calder Treasury Branch	M. Drewoth Construction Ltd.	\$ 77,130.00	\$ 211.60 cr.	\$ 76,918.40	October 29, 1970
ELLERSLIE - Bull & Steer Testing Station	M & M Construction Limited	\$ 256,000.00	\$ 2,213.00 cr.	\$ 253,787.00	October 29, 1970
BRUDERHEIM - 4-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 61,609.00	\$ 13.04 cr.	\$ 61,595.96	November 9, 1970
NORDEGG - 4-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 63,347.00	\$ 2,837.13	\$ 66,184.13	November 16, 1970
RIMBEY - Treasury Branch	Norman Nilsen Construction Ltd.	\$ 69,307.00	\$ 115.40	\$ 69,422.40	November 16, 1970
TROCHU - 4-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 57,254.00	\$ 1,845.87	\$ 59,099.87	November 16, 1970
ELKWATER - 4-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 64,066.00	\$ 523.80 cr.	\$ 63,542.20	November 17, 1970
GLEICHEN - 4-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 61,515.00	\$ 1,769.27	\$ 63,284.27	November 17, 1970

Project and Location	Contractor	Tender Price	Extras	Total Cost	Acceptance Date
FAIRVIEW - Peace River Regional Vet. Lab.	M. R. Nason Construction Ltd.	\$ 311,263.00	\$ 544.55	\$ 311,807.55	November 24, 1970
SLAVE LAKE - 9-Stall Highway Maintenance Garage & Repair Shop	Cramer & Bennett Holding Co.	\$ 88,198.00	\$ 967.70 cr.	\$ 87,230.30	November 25, 1970
GLENDON - A.L.C.B. Store	Genereux Building Supplies Ltd.	\$ 48,589.00	\$ 219.53	\$ 48,808.53	November 26, 1970
VERMILION - Highway Maintenance Garage and Repair Shop	Cramer & Bennett Holding Co.	\$ 131,359.00	\$ 4,027.11	\$ 135,386.11	November 26, 1970
VERMILION - Metals Building	A. V. Carlson Construction Ltd.	\$ 425,495.00	\$ 396.99	\$ 425,891.99	November 26, 1970
OLDS - Farm Mechanics Building	Poole Construction Limited	\$ 1,056,865.00	\$ 3,354.94	\$ 1,060,219.94	December 1, 1970
CANMORE - A.L.C.B. Store	Bayker Construction Limited	\$ 59,719.00	\$ Nil	\$ 59,719.00	December 3, 1970
BLUE LAKE - Main Lodge Building	Watson (Tofield) Limited	\$ 130,997.00	\$ 877.73	\$ 131,874.73	December 15, 1970
EDMONTON - Utilities Services Tunnel, Phase IIA, U. of A.	Poole Construction Limited	\$ 974,779.00	\$ 84,894.23	\$ 1,059,673.23	December 30, 1970
ST. PAUL - Treasury Branch	M & M Construction Limited	\$ 78,780.00	\$ 173.00 cr.	\$ 78,607.00	December 22, 1970
EDMONTON - Storage Building & Motor Run-In Shed	Camwil Construction Limited	\$ 34,300.00	\$ 400.00	\$ 34,700.00	January 13, 1971
EDMONTON - Recreation Building	W. J. Bennett Contractors Ltd.	Included with Diagnostic Building #3			
HIGH LEVEL - 9-Stall Highway Maint. Garage	Cramer & Bennett Holding Co.	\$ 138,396.00	\$ 4,124.00	\$ 142,520.00	February 10, 1971
LETHBRIDGE - A.L.C.B. (South)	Henry Hardy Construction Ltd.	\$ 186,000.00	\$ 2,843.26	\$ 188,843.26	February 17, 1971
CALGARY - Electrical Distribution System, Water Wells, Fish Hatchery and Rearing Station	Industrial Power Installations Ltd. (Calgary)	\$ 16,484.00	\$ Nil	\$ 16,484.00	February 19, 1971
CALGARY EAST - 6-Stall Highway Garage	Joyce Construction Limited	\$ 64,338.00	\$ 52.46	\$ 64,390.46	February 22, 1971

Project and Location	Contractor	Tender Price	Extras	Total Cost	Acceptance Date
COCHRANE - 6-Storey Highway Maint. Garage	Boulder Construction Limited	\$ 65,308.00	\$ Nil	\$ 65,308.00	February 22, 1971
EDMONTON - Alberta Vocational Centre	Poole Construction Limited	\$ 4,262,000.00	\$ 15,394.72 cr.	\$ 4,246,605.28	March 1, 1971
LAC LA BICHE - Senior Citizens' Home	Alta-West Construction Ltd.	\$ 402,843.00	\$ 3,332.20	\$ 406,175.20	March 5, 1971
EDMONTON - Queen's Printer Building	A. V. Carlson Construction Ltd.	\$ 563,860.00	\$ 981.53	\$ 564,841.53	March 25, 1971
KINUSO - 4-Storey Highway Maint. Garage	Dan Bilodeau Construction Ltd.	\$ 59,900.00	\$ 115.00 cr.	\$ 59,785.00	March 31, 1971
	SUB-TOTAL	\$ 17,765,211.00	\$ 212,406.19	\$ 17,977,617.19	

Projects Inspected and Controlled by Consultants Under Construction

Branch - April 1, 1970 to March 31, 1971.

EDMONTON - Deep Trunk Sewer, Phase V-A University of Alberta	CANA Construction Limited	\$ 68,270.00	\$ 3,094.00	\$ 71,364.00	July 1, 1970
EDMONTON - Deep Trunk Sewer, Phase II & III, University of Alberta	Alta-West Construction Ltd.	\$ 1,951,451.15	\$ 35,037.36	\$ 1,986,488.51	November 24, 1970
EDMONTON - Deep Trunk Sewer, Phase IV - University of Alberta	Alta-West Construction Ltd.	\$ 607,927.00	\$ 2,412.25	\$ 610,339.25	November 24, 1970
EDMONTON - Sewerage System, Phase V-B - University of Alberta	Whissell Enterprises Limited	\$ 108,245.99	\$ Nil	\$ 108,245.99	November 27, 1970
EDMONTON - Water Distribution System, Phase II, U. of A.	Alta-West Construction Limited	\$ 186,716.00	\$ 15,479.40	\$ 202,195.40	January 29, 1971
	TOTAL	\$ 20,687,821.14	\$ 268,429.20	\$ 20,956,250.34	

Total change orders for all of the above projects equal 1.3% of total tender value.

**CONSULTING ARCHITECTS AND ENGINEERS COMMISSIONED BY THE
DEPARTMENT OF PUBLIC WORKS DURING
THE FISCAL YEAR 1970-1971**

<u>Consultant</u>	<u>Type of Service</u>	<u>Project</u>
DeLeuw, Cather & Company of Canada Ltd. - Edmonton	Municipal Engineering	Site Development, Agricultural and Vocational College, Fairview
DeLeuw, Cather & Company of Canada Ltd. - Edmonton	Municipal Engineering	Utility Extension, Agricultural and Vocational College, Olds
A. G. Burrows & Associates - Edmonton	Architectural	Alberta Health Care Insurance Commission, Edmonton
Hugh McMillan & Associates - Calgary	Architectural	Trade and Technical Engineering Complex, Phase I, S.A.I.T., Calgary
Alan Engineering Corp. Ltd. - Calgary	Municipal Engineering	Paving and Related Work, Agricultural and Vocational College, Olds
Wood and Gardener - Edmonton	Architectural	Magistrate's Court Facilities and Remand Centre, Edmonton
J. K. English & Associates - Calgary	Architectural	Provincial Building, Brooks
Lurie & Neufeld - Lethbridge	Architectural	Magistrate's Court Facilities, Lethbridge
Jarvis Engineering Ltd. - Edmonton	Electrical Engineering	Utilities, University of Alberta Area - Central Cooling Plant Condenser Water Pumping Station, Edmonton
Zickefoose & Dagg - Calgary	Architectural	Holding Unit for Juvenile Offenders' Branch, Calgary
H. W. Klassen & Associates Ltd. - Calgary	All Engineering Work	Utilities Distribution System, Phase II, Health Sciences Centre, Calgary
H. W. Klassen & Associates Ltd. - Calgary	Mechanical & Electrical Engineering Work	Alterations to Block "L", Tower Complex, S.A.I.T., Calgary
The Cambrian Consulting Engineering & Research Group Limited - Edmonton	Municipal Engineering	Paving and Related Work, Alberta Hospital, Edmonton
Underwood, McLellan & Associates Ltd. - Calgary	Design Services	Fish Hatchery and Rearing Station on Pearce Estate, Calgary
DeLeuw, Cather & Company of Canada Limited - Edmonton	Municipal Engineering	Utility Extensions (Water Supply) Agricultural & Vocational College, Olds

<u>Consultant</u>	<u>Type of Service</u>	<u>Project</u>
The Cambrian Consulting Engineering & Research Group Limited - Edmonton	All Engineering Work	New Incinerator, Alberta Hospital, Ponoka
Edwards and Woolfenden - Edmonton	Architectural	Preparation of Standard Plans
D. L. Pinckston - Edmonton	Architectural	Gymnasium at Alberta Vocational Centre, Fort McMurray
Canadian Engineering Surveys Co. Ltd. - Edmonton	Surveying Services	Alberta Vocational Centre, Fort McMurray
Moriarity Henderson Lee & Associates Limited - Calgary	Mechanical & Electrical Engineering Work	Oil and Gas Conservation Board Building, Improve Mechanical System, Calgary
Materials Testing Laboratories Limited - Calgary	Foundation Investigation Work	Trade and Technical Engineering Complex, Phase I, S.A.I.T., Calgary
Materials Testing Laboratories Ltd. - Edmonton	Timber Pile Testing Program	Various locations, Edmonton and Calgary
D. Panar & Associates Engineering Ltd. - Edmonton	Electrical Engineering	Electrical services, Alberta Hospital, Ponoka
D. Panar & Associates Engineering Ltd. - Edmonton	Engineering	To improve Laundry facilities and provide cooling for presses and washers, Alberta Hospital, Edmonton
Alan Engineering Corporation Ltd. - Calgary	Municipal Engineering	Provincial Jail, Calgary
Holman & Murray - Red Deer	Architectural	Gymnasium and Auditorium, Provincial Institution, Bowden
Holman & Murray - Red Deer	Architectural	Trade Training Shops, Provincial Institution, Bowden
Howard & Robert Bouey - Edmonton	Architectural	Ward Building #1, Group Centre Building, Alberta School Hospital, Edmonton
DeLeuw, Cather & Company of Canada Limited - Edmonton	Municipal Engineering	Extend Utilities and include lift station (water supply), Agricultural & Vocational College, Fairview
Wolley-Dod & MacCrimmon Surveys Ltd. - Calgary	Surveying services	Phase I To Plan and Commence - Utility Services, S.A.I.T., Calgary
McIntosh, Workun & Chernenko - Edmonton	Architectural	Students' Activities Building, N.A.I.T., Edmonton
Butler-Krebes Associates Ltd. - Edmonton	Municipal Engineering	Site Development, University of Alberta, Edmonton
Associated Engineering Services Ltd. - Edmonton	Engineering Services	Parkland Waterline

<u>Consultant</u>	<u>Type of Service</u>	<u>Project</u>
Hogg, Munro & Associates Limited - Medicine Hat	Municipal Engineering	Paving and related work, Administration Building, Lethbridge
Epec Consulting Limited - Edmonton	Municipal Engineering	Paving and related work, Tree Nursery, Oliver
Butler-Krebs Associates Ltd. - Edmonton	Municipal Engineering	Site Development, Alberta Vocational Centre, Fort McMurray
Kostenuke, Forest & Associates Limited - Calgary	Mechanical & Electrical Engineering	Alterations to Teachings Buildings, 4th Floor, Block "R", S.A.I.T., Calgary
Epec Consulting Limited - Edmonton	Municipal Engineering	Site Development, Provincial Parks, Shops and Storage Building, (Bonaventure), Edmonton
Stanley Associates Engineering Limited - Edmonton	Municipal Engineering	Site Development (Roadways & Parking Study), Utility services, Phase I, to plan and commence (Sewage & Water Systems) S.A.I.T., Calgary

ANNUAL REPORT 1970-71
ARCHITECTURAL BRANCH
DEPARTMENT OF PUBLIC WORKS

The Department of Public Works provides the other Departments of the Government with property management services. Additional space needs of client departments are thoroughly scrutinized by the Public Works' "space committee" which may recommend refusal of requests or the provision of space by either leasing private facilities, renovating existing Government owned buildings or the planning of new building space.

Under the direction of the Chief Architect, the three Principal Architects of the Architectural Branch liaise with their allocated client departments and evaluate the actual space needs and the functional requirements if renovations or new buildings are deemed necessary.

Acting as the client departments' expert representative, the Principal Architect develops, with his staff, long range plans and tentative cost projections to the approval of the Director of Design and Construction and the client department. Projects with priority are then determined and the tentative cost reconciled with budgetary limitations. The Principal Architect provides all necessary assistance his client departments may require in preparing a budget schedule.

The Minister of the client department will then formally request the Department of Public Works to include the cost of the proposed capital works in the next year's budget to be passed by the Legislature.

For each approved project the Principal Architects prepare a planning and construction schedule with a time chart. The entire process from program development to preliminary planning and design, working drawings and contract documents, tender period, and finally the construction phase will be scheduled, allowing for each phase sufficient time to obtain Treasury Board approval to proceed in order to provide the Government with continuous fiscal control.

Interbranch meetings are then held wherein suitable projects are allocated either to the Physical Plant Division, the Engineering Branch with its structural, mechanical, electrical, and site development sections or to the Architectural planning and production section which is administered by a supervising architect.

Subject to its staff situation, each section will coordinate production of plans in accordance with the project schedule of the Principal Architects, who at this time also recommend to the Chief Architect, the projects which may be commissioned to private prime consultants.

For those projects, consultant selection forms are being prepared and submitted to the Minister of Public Works who selects the prime consultant firm and issues an offer of a commission and subsequent contract documents upon acceptance.

The services of a private prime consultant may be retained for any phase of the "work" including the program development phase. However, the Principal Architects endeavor to prepare all building programs with their own staff to fully satisfy the specific needs of the client department and to ensure cost control not only during the planning phases but up to completion of construction as they must accept the finished building on behalf of their client department.

During fiscal year 1970-71, the Architectural Branch processed 511 capital works projects with total expenditures in excess of \$33.8 million for the following client departments:

Alberta Health Care Insurance Commission	\$ 68,823.84
Agriculture	2,261,106.54
Attorney General	7,574,634.49
Education	6,027,562.49
Executive Council	256,367.41
Health	946,244.01

Highways & Transport	\$ 1,731,774.54
Industry & Tourism	74,871.84
Lands & Forests	1,344,473.52
Municipal Affairs	3,093.24
Provincial Secretary	24,631.97
Public Works	10,330,590.79
Social Development	1,514,177.14
Treasury	572,077.16
Youth	165,587.22
TOTAL	\$32,896,016.20
Alberta Liquor Control Board	\$ 976,645.04
GRAND TOTAL	<u>\$33,872,661.24</u>

Of this, full architectural services were provided by the staff of the Architectural Branch for 186 projects with expenditures in the amount of \$7,164,151.09. Also included in the above total are capital expenditures amounting to \$14,383,091.59 for work designed and planned by private prime consultants whose services were being scrutinized by the Principal Architects under the direction of the Chief Architect.

A total of 32 prime consultant firms were under commission by the Department of Public Works for design, planning and construction phase services on 39 major projects. The total funds paid out to these firms amounted to \$971,945.94 which includes total fees of prime consultants and their sub-consultants, reimbursement of expenses, costs of tests and other services. Fees paid were in accordance with the fee schedule of the Department of Public Works' "Terms of Employment and Methods of Procedure for Private Prime Consultants".

The operation of the Architectural Branch is directed by the Chief Architect who is assisted by the Architectural Coordinator. Directly responsible to the Chief Architect are the following section heads:

- Three Principal Architects
- One Supervising Architect
- One Specifications Supervisor
- One Landscape Development Supervisor
- One Acoustician
- One Interior Design Supervisor.

During the past fiscal year, three landscape technologists have been appointed while the following positions were vacated:

- 2 - Architect III - Resigned
- 1 - Architectural Artist - Resigned
- 1 - Technologist IV - Transferred
- 1 - Clerk IV - Transferred.

On March 31, 1971, the Architectural Branch had a total staff of 47, consisting of the following:

- 10 Architects
- 1 Architectural Coordinator
- 4 Specifications Writers
- 16 Architectural Technologists
- 1 Acoustician
- 1 Acoustics Technologist
- 1 Agrologist
- 6 Landscape Technologists
- 3 Interior Design Technologists
- 4 Clerical Staff.

This includes all staff of the four special sections of the Architectural Branch.

1. THE SPECIFICATIONS SECTION of the Architectural Branch prepares all specifications for projects designed and planned within the Department. A set of reference specifications is provided

to private consultant firms commissioned with Government projects. The consultant is required to prepare his specifications in accordance with the reference set in order to maintain quality standards based on proven performance of material and workmanship.

Up-to-date technical information and data on materials and methods of construction are being maintained as well as current rates for materials and labour. Alternative methods are investigated and recommended to the Principal Architects or private consultants to ensure competitive bidding.

Stringent cost control is exercised on all Public Works' projects. Quantity takeoffs are made prior to tender to check or determine the final estimate of cost. Applied knowledge of current market conditions has proven a valuable asset in keeping bid prices within budgetary limitations.

2. The LANDSCAPE DEVELOPMENT SECTION of the Architectural Branch provides landscape recommendations and designs for Government sites and examines all landscape designs prepared by private consultants.

Landscape design evaluations consider the site, the building, the choice of plant material as to height, color and display arrangement and the effects of plants for year round beauty.

Complete working drawings are required for new sites prior to commencement of site work by either landscape contractors, the client's own forces or by the Physical Plant Division. Major projects completed during the past year include the Senior Citizens' Home in Lamont, the Provincial Building in Grande Cache, the Courthouse in Wetaskiwin and the Highways Repair Depot in Edmonton.

A continuing evaluation program of existing sites has enabled this section to recommend improvements which have been executed in progressive steps. Landscape master-planning is essential before changes are recommended, such as horticultural procedures, choice of plant material and designs to unify the site as a whole. Progressive stages have been completed at the Legislative Building Grounds and the Agricultural and Vocational College in Vermilion.

Landscape design concepts are continually under study in order to achieve the desired standards at a minimum cost and to create a pleasing setting on each site.

3. The ACOUSTICS SECTION of the Architectural Branch is in charge of all acoustical matters which relate to Government buildings throughout the Province. Guidance is provided to the Principal Architects or private prime consultants at early stages in the planning and design of new buildings in order to keep costs for acoustical considerations at a minimum. Investigations are made into all problems with respect to architectural acoustics; these include reverberation, sound insulation and noise. Recommendations usually incorporate detailed drawings and specifications.

During the past fiscal year, the services of the Acoustics Section were requested twenty-four times including the following major projects: The New Edmonton Courthouse; Provincial Building, Medicine Hat; Alberta Health Care Insurance Commission Building, Edmonton; the New Central Testing Laboratory, Edmonton; the Public Works South Power Plant, University of Alberta Area, Edmonton; the Workmens Compensation Board Office Building, Edmonton; Forest Service Depot, Edmonton; Youth Development Centre, Edmonton; the Provincial Northern Auditorium, Edmonton; and at N.A.I.T. and S.A.I.T.

4. The INTERIOR DESIGN SECTION of the Architectural Branch is called upon by Client Departments to improve the interior of existing Government buildings and prepare interior designs for new facilities.

It is the function of this Section to develop an interior environment, a pleasing atmosphere in harmony with the operational requirements at reasonable cost.

One of the major accomplishments has been the organization of a distribution system of stock furniture for Government buildings. The use of standard furniture and the strict adherence to its distribution has upgraded the appearance of offices, established a needed standard relative to an employee's position and permitted the Purchasing Agency to obtain tenders on quantity purchases, thereby achieving great savings for the Treasury.

Two hundred-twenty five (225) projects have been completed by this Section during the 1970-71 fiscal year. The total expenditures for furnishings and equipment selected and processed were in the amount of \$4,793,790.50.

The Architectural Office in Calgary is responsible in three major areas as follows:

1. **CALGARY HEALTH SCIENCES CENTRE** — Construction of the Medical School which began in February 1970 continued with an increased momentum throughout the fiscal year. The tight construction schedule — required by the project management method — posed a sustained demand on the resources of the office allowing minimal time to review specifications, drawings and bids. By the end of the fiscal year about sixty individual contracts have been let committing \$12,261,871.15 for construction. Total project expenditures at the end of the fiscal year amounted to \$8,774,225.70.

The construction of trunk sewer lines to serve the Medical School has been completed. The addition to the Central Power Plant has been completed in April. Phase II of the utility distribution system, a tunnel between the Central Power Plant and the Medical School, has been contracted in October to Cana Construction for \$309,000, the work was 60% complete at the end of March 1971. Tenders have been called for an additional boiler in the Central Power Plant and the contract has been awarded to Toronto Iron Works \$339,235 with the total value of the work amounting to \$465,735. The three additional floors (10, 11 and 12) to the Clinical Wing of the Foothills Hospital have been completed in June. Meetings of the Calgary Health Sciences Planning Committee gave consideration to the site development and connections between the Foothills Hospital and the Medical School. A comprehensive updating of utility records has been undertaken in preparation of extending services to new projects. Traffic surveys have been made at regular intervals at all entrances leading to the site in preparation for future traffic planning and effective parking control.

2. **THE UNIVERSITY OF CALGARY** — In the capacity of long range planning consultants to the University of Calgary, long range planning considerations were prepared for various areas of development such as Humanities, Fine Arts and Drama, Psychology, pedestrian and vehicular transportation and roadwork. A brochure providing general information about overall campus development and the principles of long range planning has been completed with the cooperation of the Campus development office. Special studies have been carried out for the routing of rapid transit through the campus and its impact on future development. A design was developed for a climate controlled skywalk system to connect all complexes.

3. **GENERAL WORK** — Among the capital projects of the department, this office carried out work in the following areas:

Construction of Site Development and Underground Parking at the Calgary Courthouse has commenced and will provide Prisoners Receiving, service entrance and access to the underground parking. Landscaping will replace the old Land Titles Building and Power Plant and by removing all cars from the surface the entire city block will be transformed into a mini-park.

Preliminary planning has been undertaken to finish the 4th Floor of the Oil & Gas Conservation Board Building and thus fully occupy the building.

The Horticultural Station at Brooks has been renamed Alberta Horticultural Research Centre reflecting an enlarged scope of the institution. Studies were made to establish a Master Plan and the coordinated development of future facilities. Program and sketch designs have been developed for the Repair & Machine Shop to be constructed shortly.

Site feasibility studies have been carried out for a proposed Veterinary Laboratory in the Calgary area.

The planning of a pedestrian and utility tunnel connection between the Alberta Hospital and the Municipal Hospital in Claresholm has been coordinated with the Board and designers of the Municipal Hospital.

Consultations have been held with the Engineering Department of the City of Calgary in connection with the construction of the Shaganappi Trail as this affected the Higher Education Reserve, held by the Crown for future development.

Site feasibility studies have been carried out and preliminary studies were made advising the Universities Commission and the Department of Education regarding the Athabasca University which lead to the assembly of the site.

Consultants engaged to assist the workload were as follows:

Man Taylor Muret — Courthouse Landscaping

Cheriton Bolstad Engineering Consultants Ltd.	} Calgary	
Stanley Associates Ltd., and		} Health Sciences
H. W. Klassen & Associates Ltd.		} Centre

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ENGINEERING BRANCH

DEPARTMENT OF PUBLIC WORKS

The main functions of the Engineering Branch can be divided in two broad categories, the first being a supporting function for architectural work and the second being work of an engineering nature only.

Within each of the above categories are the structural, mechanical, electrical and municipal engineering disciplines. The engineering work in support of the architectural branch consists of the structural design for buildings, mechanical design for heating, ventilation, refrigeration, plumbing and any other special services that may be required, electrical design for illumination, communication, alarm and special services that may be required, electrical design for illumination, communication, alarm and power systems and municipal work for utility services, grading of the building site, roadways and walkways, etc. The work under the second category is engineering work only and is made up of such projects as generation and distribution of heating and electrical facilities, water and sewer mains, paving and related work and mechanical and electrical modifications to existing buildings.

The operation of the Engineering Branch is directed by the Chief Public Works Engineer. Directly under him are four line positions, each one occupied by a section head responsible for an engineering discipline. In addition, there are the staff positions of the Assistant Chief Engineer and the administrative support.

During the past fiscal year, there were no significant staff and position changes in the Engineering Branch. The following positions were vacated:

1—Technologist IV	— Transferred to Physical Plant Division
1—Technologist III	— Resigned
1—Technologist I	— Transferred to Department of Highways & Transport
1—Junior Clerk Typist	— Transferred to Properties Administration

On March 31, 1971, we had a total staff of 52 in the engineering branch, consisting of the following:

- 20—Engineers
- 20—Technologists
- 1—Administrative Officer
- 3—Clerical Staff
- 4—Instrumentmen (on wages)
- 4—Survey Assistants (on wages)

The Engineering Branch processed a total of 190 projects for a total construction value of \$8,084,500.00. Of this amount, 82% involved work of an engineering nature and 18% was engineering work supporting the Architectural Branch. The Engineering Branch design staff completed 156 projects for a construction value of \$3,525,000.00. The remainder of the work was carried out by private consultants.

During the 1970-1971 fiscal year, 23 different consultants were in our employ to carry out the various studies, designs and supervision work for the engineering branch. The total fees paid out to these firms amounted to \$825,766.00. In addition to the above, seven different firms were retained to carry out a program of soils testing and foundation investigations for our buildings and other structures. A total of \$40,538.00 was paid out to these firms. Nine survey firms were retained to carry out survey work for the various Government buildings and institution sites. Fees and expenses amounting to \$42,550.00 were paid out to these firms. For our program of water well drilling and testing, which was necessary to supply potable water to our building sites where required, two firms were employed to carry out this work at a total cost of \$18,227.00.

All fees paid out were in accordance with the recommendations set forth in the Schedule of Minimum Fees, as recommended by the Association of Professional Engineers of Alberta.

All funds paid out to consultants include actual fees, expenses, costs of tests and other services. For all consultants retained, a list of names is prepared by the Engineering Branch and submitted to the Minister of Public Works for selection of a consultant. Projects involving fees of over \$2,500.00 need authorization by Order in Council and an agreement between the Department of Public Works and the consultant is prepared. This agreement is signed by both the Minister of Public Works and the consulting engineer and defines the engineer's responsibilities, the Minister's responsibilities and the manner of payment.

Construction of underground utilities, including sewer, water, power and services corridor, continued at the University in Edmonton. Phase II (a) of the services corridor was completed in January of 1971, and although contracts for Phases II (b) and II (c) were awarded just prior to the end of the 1969-1970 fiscal year, fieldwork was not well underway until April of 1970. Completion of these two phases is scheduled for the summer of 1971. A contract for Phase III (ab) of the Services Corridor was awarded in October of 1970 and work is expected to finish in late fall of 1971. With the completion of the first five phases of the underground services corridor, the total main corridor length will be 12,400 feet, and the length of branches connecting the main corridor to buildings will be 1400 feet. The total cost of the five corridor contracts, when completed, will be close to nine million dollars.

The last of the six major phases of the deep trunk sewer program was started in the summer of 1970. Upon the completion of this work, all major sewage lift stations in the campus area will have been eliminated, and a modern and dependable sewage system will be serving the greater campus area. Storm water and sanitary effluents are collected separately within the system, the storm water being discharged directly to the river and the sanitary effluent being discharged to the Mill Creek Sewer tunnel, which was completed last year. The total cost of the deep trunk sewer system, upon completion, will be close to 4½ million dollars.

The last of three major phases of a potable water system was completed in 1970. The entire campus area is now served with a system having adequate flows and pressures to meet all domestic and fire requirements. All water is supplied to the system through only three meters. Although the greater portion of the new water system is incorporated in the service corridor, new buried mains have been constructed at a cost of close to 1/3 million dollars.

A contract was awarded late in the 1970-71 fiscal year for additions to the D.P.W. South Power Plant. The equipment being installed will supply the service corridor distribution system with compressed air, demineralized water and chilled water to serve the southern portion of the campus area. Work on the installation of pumping equipment in the Central Cooling Plant was started in December of 1970. These pumps will deliver river water to the South Power Plant cooling machines via the services corridor pipeline.

Modifications to the existing underground electrical distribution system continued during the 1970-71 fiscal year and are expected to be essentially completed during 1971. This work consists mainly of connecting buildings to the new electrical system.

During the past fiscal year, the Engineering Branch has been extensively involved in the planning of the Fish Hatchery and Rearing Station in Calgary. A contract for the drilling and development of the water wells was awarded in November of 1970. These wells have since been completed and the required water flow for the operation of the Fish Hatchery was proven. The availability of water of a sufficient quality was an important consideration in the selection of the Pearce Estate site, since pollution free water is of the utmost importance in fish culture. The planning of this project is nearing completion and it is proposed that construction will start early in the 1971-1972 fiscal year.

Construction of the Fort Saskatchewan, Redwater and County of Strathcona Waterline was completed during the 1970-1971 fiscal year and potable water is now available for the users in these areas. Planning for the Parkland Waterline was started and construction will commence early in the 1971-1972 fiscal year. This waterline will provide potable water to the users in the County of Parkland No. 31, Town of Spruce Grove and the Town of Stony Plain. Both waterlines are constructed by the Department for the municipalities under Section II of the Department of Public Works Act.

Another function performed by the Engineering Branch of the Department of Public Works involves the checking of engineering work carried out in association with private architects on the many projects for which the Architectural Department retains private architects. The senior engineers of the Engineering Branch have, over the past several years, reviewed and checked on the average of one project per week, including projects designed within the Department and those designed by private consultants.

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PHYSICAL PLANT DIVISION

DEPARTMENT OF PUBLIC WORKS

The Physical Plant Division is responsible for the operation and maintenance of all Government owned buildings and institutions, with the exception of the self-governing institutions such as the Universities. The Physical Plant organization consists of management staff, tradesmen and supporting staff custodial staff, heating plant staff and groundsmen, to operate and maintain these buildings and associated grounds.

The Physical Plant Division is composed of four basic units:

1. OPERATIONS UNIT

This group comprises the majority of the employees of the Division and is responsible for an effective standard of servicing, operation and preventive maintenance of all buildings under the jurisdiction of Public Works. This group is also responsible for compiling and reviewing annual estimates pertaining to the cost of servicing, maintaining, renovating and operating buildings which includes the costs of labour, equipment and materials. Lines of authority within this unit are clearly defined, and every employee answers to only one supervisor. Whenever practicable, employees are provided with assistance and data to enable them to check and assess their own performance.

Security Services are provided at the Legislative Building and Grounds, Provincial Museum and Archives, and Auditoria and various Alberta Hospitals. Canadian Corps of Commissionaires Incorporated employees are utilized extensively for this purpose, as well as for the control of parking and traffic in parking lots. During the year, use was made of private firms which offer security services, utilizing specially trained employees.

2. ADMINISTRATION SECTION

This section consists of personnel who perform the required accounting and administrative duties and exercise control over procedures, methods and practices for the expenditure of funds for the Division. Improved systems have been developed and implemented. These include:

- A. A cost analysis system, operated through the Data Processing Centre, which provides field staff with up-to-date information on expenditure of funds for the facilities under their jurisdiction;
- B. A Policy and Procedure Manual, together with a continuous updating procedure, has provided field staff with improved access to reference on current policies of the Department;

- C. A master Square Footage Data Book of all facilities under the jurisdiction of the Physical Plant Division is maintained and updated on a continuing basis;
- D. A system of maintaining current staff statistics has resulted in increased information on human resources within the Division, and has permitted improved manpower planning.

3. DEPARTMENT OF PUBLIC WORKS SHOPS

This unit is a service organization whose purpose is to provide a readily available source of trades expertise and manpower for the use of the Physical Plant Division. The organization consists of a group of tradesmen and supporting personnel covering the major trades, who perform special repair work, renovations and construction, upon the request of the operations unit.

A fleet of trucks ranging in size from half-ton to diesel tractor units operates out of the Department of Public Works Shops providing truck transportation service for this and other departments.

Mechanical services for the Government car and truck fleet for this and other departments are available at the Government Garage in the Terrace Building.

4. SPECIAL SERVICES SECTION

This section consists of staff specialists who act in a consulting capacity to the operating section in such areas as air conditioning, plumbing, electrical, power plant and drafting. The Special Services Section is able to perform a wide variety of functions necessary for effective management of the Physical Plant Division.

These functions could involve the following range of services:

- A. Consultation on abnormal problems arising out of the operation of Government facilities.
- B. Technical service in areas such as office layout and drafting.
- C. Co-ordination of programs of a Province-wide nature, such as the present Preventive Maintenance Program.
- D. Economic studies on the efficient utilization of Government Resources, including economics of building operation and operation cost analysis.
- E. Research on modern materials, methods and design practices, involving programs of a continuing nature.

Funds provided for the Physical Plant Division and the expenditures were as follows:

Appropriation	Description	Estimate	Expenditure
2608	Utilities Branch Administration	\$ 109,030.00	\$ 91,885.28
2609	Maintenance Branch Administration	1,313,850.00	1,273,166.16
2610	Legislative and Public Building Maintenance	17,102,845.00	15,859,060.78
2612	Public Institutes Maintenance	3,905,530.00	3,896,497.81
2614	Heating Plants	5,167,960.00	4,904,365.96
2620	Government Automobile Service	98,060.00	95,139.11
2684	Heating Plants — Equipment	114,050.00	105,306.16
	TOTAL	<u>\$27,811,325.00</u>	<u>\$26,225,421.26</u>

Funds were also provided in Appropriation 2699 - Maintenance and Construction Salary Pool. This appropriation is utilized for payment of salaries to tradesmen, utility workers, labourers, heating plant staff, and grounds staff. The salaries are then charged to the Capital and Income Appropriations and this appropriation is reimbursed.

Restraint of expenditures continued throughout this fiscal year, as is reflected in the total estimated and total expenditure amounts.

A total of three hundred eighty-nine capital construction jobs were undertaken by the Physical Plant Division during 1970-1971 fiscal year with expenditures of approximately \$2,500,000.00. This work was more expediently done by the Department because of its specialized nature, and was carried out with the approval of the Deputy Minister. Most of this work was required at institutions, hospitals and public buildings where normal operations continued during construction.

The reorganization of the Physical Plant Division has progressed in accordance with the guidelines laid down in the "Organization Announcement" dated August 1969, and the first three phases are now essentially complete. The development of the Shops organization as a unit was initiated February 1st, 1971, as Phase III of the amalgamation. The role of the Department of Public Works Shops has moved away from direct responsibility for facilities towards a role as a support group. Plans for the implementation of Phase IV, the final stage of the amalgamation, are now proceeding and will be initiated early in the next year.

The Physical Plant Division accepted responsibility for the operation and maintenance of an additional 900,000 square feet of building area, an increase of approximately 6.0 percent over the total square footage as of March 31st, 1970.

On April 1st, 1970, the Physical Plant Division accepted the responsibilities for grounds keeping at the Alberta Hospitals at Ponoka, Edmonton, Claresholm, and Raymond; Rosehaven Home, Camrose; Alberta School Hospital, Red Deer; and Deerhome Institution, Red Deer.

Responsibility for maintaining and operating the Aberhart Memorial Sanatorium, Edmonton was transferred to the University of Alberta Hospital on January 1st, 1971.

Greater utilization of staff has been accomplished by more effective management at the local level and by the Division's policy not to refill any position which becomes vacant due to a transfer, promotion, retirement or resignation without giving each situation very careful consideration.

The Division has taken full advantage of the Staff Development Program which is provided by the Personnel Administration Office, and was recommended to the Departments by the Honourable H. E. Strom, Premier of the Province of Alberta, during the summer of 1970. Approximately ninety Physical Plant Division employees have participated in these courses.

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STOCK ADVANCE BRANCH

DEPARTMENT OF PUBLIC WORKS

Mr. B. Neilson, Stock Advance Administrator, directs the operation of this branch from the central office in the Terrace Building, Edmonton. A total staff of 31 employees is divided into a stores section, for which Mr. R. A. English, Chief Stockkeeper is responsible, and an accounting section with Mr. D. Kostiw, Chief Clerk Accountant, in charge.

This section of the department is responsible for the administration of the Stock Advance Fund and the inventory of machinery, equipment and material necessary for its operation. A sum of money is allocated each fiscal year to the branch as a working fund in order that the department may purchase and maintain a stock of machinery, equipment and material. This provides an immediate source of supply for the government trade forces, thus eliminating unnecessary delays and reducing down-time to the minimum. The funds advanced in the year 1970-1971 were \$1,500,000.00.

The main function of the Stock Advance Branch is to provide a material warehousing service where more than 4,000 stock items are held available. These items include building materials, furnishings, automotive and equipment parts and gasoline. The operation of the Stock Advance Fund allows the branch to obtain all the benefits of bulk purchasing. Purchases are made through the facilities of the Government Purchasing Agency. The stock is charged, as issued, against various departments, services and government-sponsored activities.

A stock of building and industrial equipment, including a fleet of trucks, is purchased out of the fund, is maintained by the branch and is an immediate source of supply through rental to the various departments.

A stock of office furniture is purchased and maintained for standardization of government offices throughout the province, and is charged, as issued, against the various buildings.

Building Material and Equipment Rental Catalogues, which are revised annually, are distributed throughout the government service. The branch also undertakes other promotional and informative activities to develop and maintain a quantitative foundation with relation to cost benefits and target priorities of departmental programs and budgets.

The department operates production shops in the cities of Edmonton and Calgary. When a special item of furniture or equipment is required which is not readily obtainable from an outside supplier, it is manufactured in our own shop. The cost is obtained by issuing a Stock Advance Job Order for the work involved. This permits the Stock Advance Section to obtain the cost of the work and thus charge the total manufacturing cost to the particular department or service.

The department also operates an automotive garage and, when a unit operated by a department requires repairs, the cost is obtained and charged in a similar manner.

A ten percent charge to cover supervision and administration is made on all operations. The profits arising from the operations of the year, as shown by the statements certified by the Provincial Auditor, are transferred to the General Revenue Fund.

Account Titles	Debit	Credit	Debit	Credit	Assets	Liabilities
Material and Supplies	\$ 441,997.76				\$ 441,997.76	
Work in Process	3,463.54				3,463.54	
Accounts Receivable	367,900.61				367,900.61	
Equipment New	173,073.98				173,073.98	
Prepaid Expense	9,176.28				9,176.28	
Accounts Payable		66,788.25				66,788.25
Provincial Treasurer's Advance		832,877.31				832,877.31
Supervision Charged Out		192,370.62		192,370.62		
Labour Charged Out		418,551.12		418,551.12		
Previous Year's Refunds		99.10		99.10		
Equipment Rentals		294,858.55		294,858.55		
Profit and Loss on Disposal of Non Stock Scrap	132,111.54	356.05	132,111.54	356.05		
Office Equipment Operating Expense						
Office Equipment Services and Rentals	838.75		838.75			
Stock Insurance	2,084.30		2,084.30			
Sundry Expenses	69.00		69.00			
Telephone, Telegraph and Postage	73.25		73.25			
Dry Cleaning	305.25		305.25			
Depreciation on Equipment	89,044.09		89,044.09			
Stationery and Supplies	6,230.17		6,230.17			
Shipping Supplies	730.65		730.65			
Uniforms	117.19		117.19			
Small Tools	2.09		2.09			
Profit and Loss Disposal of Equipment		2,649.09		2,649.09		
Inventory Adjustment Account		8,404.46		8,404.46		
Tuition Fees	40.00		40.00			
Salaries (Staff)	165,722.27		165,722.27			
Travelling Expense (Staff)	146.60		146.60			
Salaries and Wages (Casual Help)	5,276.11		5,276.11			
Labour Expense (S.A. Jobs)	418,551.12		418,551.12			
	<u>\$1,816,954.55</u>	<u>\$1,816,954.55</u>	<u>\$ 821,342.38</u>	<u>\$ 917,288.99</u>	<u>\$ 995,612.17</u>	<u>\$ 899,665.56</u>
			<u>95,946.61</u>			<u>95,946.61</u>
			<u>\$ 917,288.99</u>			<u>\$ 995,612.17</u>
NET PROFIT						

ANNUAL REPORT 1970-71
PERSONNEL OFFICE
DEPARTMENT OF PUBLIC WORKS

The 1970-71 fiscal year was one of retrenchment and consolidation in the Personnel Branch. Because of the anti-inflationary economy, staff turnover was reduced considerably compared to previous years. A number of vacancies that were created were not filled because of re-structuring of staffs and as a result of increased productivity. This increased productivity was especially noticeable in the caretaking field.

Effective October 1, 1970, the Public Service Commissioner's office officially delegated authority for recruitment and selection to the Department. This has resulted in a number of new procedures and an increased workload for officers and clerical staff alike. Under the new procedures there is no longer a representative of the Public Service Commissioner's office on Selection Panels; however, the Commissioner's office retains authority over eligibility requirements of candidates. The Commissioner's office also performs post-audit checks for competitions conducted by the Department.

Training received increased emphasis this past year which resulted in approximately 160 employees attending various programs sponsored by the Organization Development Division of the Public Service Commissioner's Office. These programs varied from one day seminars held for local employees in different locations throughout the Province to week-long in-residence conferences held in Banff. Sixty-three employees received reimbursement through the Training Costs Committee for part of the cost of courses taken at their own expense on their own time.

Changes in senior staff of the Department during the year were restricted to the Physical Plant Division which saw the appointment of Mr. C. H. Goings, formerly Assistant Director of Maintenance, as Shops Administrator. Mr. Goings' new duties give him complete responsibility for the Physical Plant Shops in Edmonton and Calgary. This appointment was part of the plan for the amalgamation of Maintenance and Utilities Branches into the Physical Plant Division.

Statistical Data — Establishment

The following provides a record of establishment changes during the past five years:

	1966-67	1967-68	1968-69	1969-70	1970-71
Positions — Beginning of fiscal year	1,863	2,063	2,293	2,338	2,325
Additions	242	274	159	100	107
Abolishments	42	44	114	113	148
Positions — End of fiscal year	<u>*2,063</u>	<u>*2,293</u>	<u>*2,338</u>	<u>*2,325</u>	<u>*2,284</u>

*Includes part-time permanent and temporary positions

Statistical Data — Turnover and Competitions

	1966-67	1967-68	1968-69	1969-70	1970-71
Resigned (including temporary and summer relief employees)	146	160	198	192	108
Retired	35	45	50	47	48
Deceased	10	14	11	15	11
Transferred to other Departments	8	15	10	16	22*
Dismissed	12	14	13	23	12
TOTAL TERMINATIONS	<u>211</u>	<u>248</u>	<u>282</u>	<u>293</u>	<u>201</u>

*Includes 12 employees transferred to the University Hospital

Vacancies advertised through Personnel Administration Office	202	194	108	159	116
Positions advertised through D.P.W. Competitions	264	177	131	54	23
TOTAL VACANCIES ADVERTISED .	<u>466</u>	<u>371</u>	<u>239</u>	<u>213</u>	<u>139</u>

Statistical Data — Wages Staff

The following provides a record of some measure of the changes in numbers of wage employees that occurred during the year:

Employees	1966-67	1967-68	1968-69	1969-70	1970-71
Beginning of fiscal year	653	683	443	386	380
End of fiscal year	732	707	409	370	411
Average per month	842	868	470	454	449

ANNUAL REPORT 1970-71

CONSTRUCTION BRANCH

DEPARTMENT OF PUBLIC WORKS

The Construction Branch of the Department of Public Works is responsible for the supervision of building contracts awarded by the Department. It is the foremost concern of the Construction Branch to ensure that construction proceeds according to the plans and specifications, that costs of extras are controlled, that projects are completed and readied for occupancy by the tenants as scheduled and that money payments are made to the Contractors according to the progress of the work.

During the fiscal year 1970-71, the Construction Branch continued its responsibilities for the supervision and cost control in the field of the Department's new construction program. This control was exercised through the individual construction inspectors who provided either resident inspection at major project sites or visiting area coverage of groups of smaller projects. The work continued to be grouped administratively under the Northern Regional Office in Edmonton and the Southern Regional Office in Calgary, both of which reported directly to Mr. E. M. Silver, P.Eng., the Chief Construction Engineer and Branch Head, who is located in Edmonton.

In the period April 1, 1970 to March 31, 1971, the dollar volume of projects approved for construction dropped and the bulk of projects consisted of smaller scale works scattered throughout the Province of Alberta.

The cost of the 31 projects carried through into the fiscal year 1970-71 amounted to \$35,354,215.25. Of these, the Edmonton Courthouse (10.4 million) and the University of Alberta Services Tunnels, Phase II-B and II-C (3 million) will carry through to completion in the 1971-72 financial year.

The cost of the 40 projects and 19 Salt Storage Sheds started during the fiscal period 1970-71 amounted to \$11,543,755.99. These included Highways Garages (14), A.L.C.B. Stores (3), Treasury Branches (3), Senior Citizens' Homes (2), Queen's Printer Building, Edmonton, Courthouse, Fort Macleod, the Alberta Vocational Centre in Calgary (4.6 million), and the University of Alberta Utilities Tunnels III-A/B (2.6 million).

The cost of the 56 projects completed during 1970-71 amounted to \$20,956,250.34. These covered a wide range from Salt Sheds, Highways Garages (11), A.L.C.B. Stores (9), and a Provincial Building at Grande Cache to an Infirmary Hospital Building (2.029 million), a Farm Mechanics Building (1.056

million), a Vocational Centre (4.26 million), Major Deep Trunk Sewers and Water Distribution Systems at the University of Alberta (2.978 million), and a Medical Science Wing at SAIT (1.836 million).

The total construction load in hand during 1970-71 of \$67,854,221.58 covering work completing, continuing, and starting, presented a sustained challenge to the Construction Inspectors on the staff. Construction standards and work quality continued to be emphasized by the Construction Inspectors in their dealings with the General Contractors and their Subcontracting forces. Time continued to be devoted to the finalization and problem solving required in connection with some \$20,000,000 worth of projects whose 12 month warranty period ended during the fiscal year.

The Branch Head, Mr. E. M. Silver, P.Eng., continued his personnel development program and upgrading of project team performance. Improved work methods continued to be explored, examined and implemented wherever possible.

ANNUAL REPORT 1970-71
CONTRACTS BRANCH
DEPARTMENT OF PUBLIC WORKS

The main functions of this branch of the department are:

- a) to maintain strict control of expenditures within the Capital Construction and Furnishings and Equipment Appropriations
- b) to apply for additional funds when required
- c) to print and issue drawings, specifications and addenda for all projects for which the department has invited tenders
- d) to compile Capital Construction and Furnishings and Equipment Estimates
- e) to requisition furnishings and equipment to meet the needs of all government departments
- f) to maintain an inventory of all furnishings supplied to various Government Offices throughout the Province
- g) to acquire all used furnishings declared by departments and re-allocate where needed or declare to the Alberta Commercial Branch as surplus to our needs.

The Contracts Branch is operated by a staff of fourteen employees and is divided into a Blueprinting and Duplicating Services Section, an Order Desk, a General Administration Section and a used Furnishings Section.

During the year under review, the branch administered two Appropriations — 2682 - Sites and Construction and 2683 — Furnishings and Equipment. Expenditures under these Appropriations were:

2682	\$32,896,016.20
2683	4,793,790.50

The Order Desk section processed approximately 5,639 requisitions from other government departments for furnishings and equipment.

The Blueprinting and Duplicating Service printed 3,111 sets of drawings of an average of 40 prints per set. They also Xeroxed 950,000 pages of specifications.

The General Administration Section prepared tendering documents, advertised and issued drawings and specifications for 74 projects. Microfilming of plans of all government buildings were completed during the year and the record films were sent to Regional Emergency Government Headquarters, Penhold for safekeeping and for reference in event of national or provincial emergency. Duplicate films are held in the Printing Section where they may be examined by means of a Microfilm Reader/Printer.

During the year the branch took over the additional responsibility of administering the used furnishings Section. This section was re-organized and the following progress was made.

- a) an inventory of furnishings was initiated and is scheduled to be complete by September, 1971.
- b) Furnishings and Equipment were received and placed in position for the Senior Citizens' Homes, Lac la Biche and Thorhild, also the Alberta Vocational Center, Edmonton
- c) this section has two warehouses, one for the Northern area, located in Edmonton and one for the Southern area, located in Calgary.

Many requests for furnishings were filled by the supply of used furniture, had new furniture been supplied it would have cost approximately \$91,000.00, also used furniture for an estimated market value of \$18,000.00 was turned over to the Alberta Commercial Branch for disposal.

ANNUAL REPORT 1970-71

PROPERTIES

DEPARTMENT OF PUBLIC WORKS

The Properties Branch is responsible for the administration of space in both Crown owned and leased buildings, the acquisition of sites for all Government projects and the payment of all Grants to Municipalities in Lieu of Taxes as well as Local Improvements. These duties and related work are carried out by a staff of 19.

The payments for Grants in Lieu of Taxes increased from year to year as the Government acquires more property or increases the improvements to existing property, and for the year ending March 31, 1971 the addition of Grants in Lieu of Taxes for Grazing Reserves brought the total paid for the year to \$3,097,857.00. Local improvements incurred payments totalling \$74,233.06.

During the course of the year, this Branch administered 308 leases for 1,399,958 square feet of office and storage space at a cost of \$2,319,909.12.

The provision of parking stalls for Government employees involved 4,825 stalls of which 840 were leased. The gross revenue from all parking stalls was \$170,314.00. The total cost for operating parking stalls far exceeds any revenue received resulting in a deficit and parking being heavily subsidized.

Land acquisition for the Government area in Edmonton is continuing, although the construction of the first building in this area has been temporarily deferred. During the course of the fiscal year six properties were purchased for the sum of \$172,796.18. Land prices continue to increase with land in the Government Development Area selling from \$6.00 to \$8.00 per sq. ft. The acquisition of lands throughout the Province involved 33 properties for a total cost of \$1,331,860.87. Purchases included sites for Provincial Buildings, Treasury Branches, Athabasca University, Highway Maintenance Yards and land required for the \$12,000,000.00 expansion to Northern Alberta Institute of Technology. As a result of proposed expansion to Northern Alberta Institute of Technology, it is anticipated that an additional 3,000 parking stalls will be required.

The Properties Branch is responsible for the safe custody of titles and presently administers 540 titles. This administration incurs the granting and recording of easements and right-of-ways.

This Branch is responsible for the placing of insurance on all Government owned buildings in the Province. Premiums amounting to \$251,643.42 were paid in the 1970-71 fiscal year. Based on building construction and fire rating, percentage coverage varies from a minimum of 50% of replacement cost to as high as 75%.

All requests for telephone installations are handled through this Branch and presently includes 6,533 accounts. Total payment for telephone accounts was \$1,156,042.52.

The above represents only a part of the many functions performed by the Properties Branch, some of the others are as follows:—

1. All documentation related to transfer of properties
2. Compilation of all statistics on all space occupied
3. Representation on "Property Committee" where Government works together with other agencies to assemble and control development of land
4. Co-ordinating survey requirements with the Director of Surveys
5. Payment of Utilities
6. Appointing of Accredited Appraisers for fee work
7. Demolition and disposal of properties surplus to Government requirements
8. Administration of all cafeterias and canteens
9. Administration of all space offered for lease or properties offered for sale
10. Administration and leasing of institutional farm lands

As the Government is continually being requested to provide more services, and as this trend continues, the properties branch and the functions related thereto will continue to grow.

THE CROWN PROPERTY MUNICIPAL GRANTS ACT

Under "The Crown Property Municipal Grants Act", being Chapter 81 of the Revised Statutes of Alberta, 1970, and amendments and regulations thereto, grants are paid on all Crown-owned properties other than the following:

- (a) real property forming part of an undertaking in respect of the conservation, irrigation, reclamation, rehabilitation or reforestation of land.
- (b) any park, historical site, monument or museum;
- (c) except when otherwise prescribed by the Provincial Treasurer, real property leased to or occupied by a person from whom the municipality may, by reason of his interest in the property, levy and collect a municipal tax;
- (d) real property used for or in connection with academic, trade, forestry or agricultural schools, colleges or universities;
- (e) real property used for or in connection with hospitals and mental institutions;

- (f) real property comprising streets, lanes, roadways or road allowances;
- (g) (deleted by amendment);
- (h) real property owned by the Alberta Liquor Control Board, the Alberta Government Telephones Commission or the Workmen's Compensation Board;
- (i) any specific property or class of real property exempted from the provisions of the Act by the Lieutenant Governor in Council.

In addition to this, grants are paid on any buildings which would otherwise be excluded but which are serviced by local utilities services, such as forestry ranger buildings.

GRANTS IN LIEU OF TAXES

During the fiscal year 1970-71, a total of \$3,093,429.24 was paid to the following Cities, Towns, Villages, Counties and Municipal Districts throughout Alberta as grants in lieu of taxes for government properties. The amounts listed were gross disbursements, and a total of \$72,176.15 was received as reimbursements from various sources as listed. The net total payment for 1970-71 was therefore \$3,021,253.09.

LOCATION	AMOUNT OF GRANT		
City of CALGARY	\$ 615,018.04	Town of ROCKY	
City of CAMROSE	19,317.34	MOUNTAIN HOUSE	15,440.25
City of DRUMHELLER	18,851.82	Town of SLAVE LAKE	9,681.10
City of EDMONTON	1,371,941.18	Town of SMOKY LAKE	124.08
City of GRANDE PRAIRIE	60,763.57	Town of SPIRIT RIVER	4,485.60
City of LETHBRIDGE	53,637.08	Town of STETTTLER	4,299.68
City of MEDICINE HAT	31,958.82	Town of STONY PLAIN	142.55
City of RED DEER	32,427.38	Town of ST. PAUL	6,804.60
City of WETASKIWIN	12,376.53	Town of STRATHMORE	3,394.92
		Town of SWAN HILLS	2,125.44
Town of ATHABASCA	16,760.40	Town of TABER	2,347.64
Town of BARRHEAD	7,290.02	Town of THREE HILLS	1,116.56
Town of BEAVERLODGE	1,516.68	Town of TROCHU	296.74
Town of BLACK DIAMOND	224.91	Town of TWO HILLS	2,329.80
Town of BLAIRMORE	8,470.14	Town of VALLEYVIEW	3,166.32
Town of BONNYVILLE	4,654.68	Town of VEGREVILLE	6,955.74
Town of BOW ISLAND	1,770.24	Town of VERMILION	6,096.60
Town of BROOKS	2,360.83	Town of VIKING	2,084.60
Town of CARDSTON	3,008.64	Town of VULCAN	1,083.60
Town of CASTOR	7,429.94	Town of WAINWRIGHT	2,218.63
Town of CLARESHOLM	15,517.80	Town of WESTLOCK	991.65
Town of COLD LAKE	1,149.86	Town of WHITCOURT	4,103.43
Town of COLEMAN	818.51		
Town of CORONATION	7,444.96	Summer Village of	
Town of DIDSBURY	619.65	GRANDVIEW	18.84
Town of DRAYTON VALLEY	1,780.74	Village of ANDREW	784.00
Town of EDSON	18,701.28	Village of BEISEKER	342.72
Town of FALHER	8,035.23	Village of BON ACCORD	300.16
Town of FORT MacLEOD	7,578.00	Village of BOYLE	42.16
Town of		Village of BRETON	2,307.75
FORT SASKATCHEWAN	41,682.30	Village of BRUDERHEIM	131.04
Town of FOX CREEK	2,131.50	Village of CAROLINE	297.60
Town of GRANUM	818.63	Village of CHIPMAN	46.10
Town of GRIMSHAW	5,310.24	Village of CLYDE	1,168.80
Town of HANNA	11,249.45	Village of CONSORT	1,166.76
Town of HIGH LEVEL	1,876.52	Village of CZAR	372.00
Town of HINTON	4,288.91	Village of DUCHESS	1,288.95
Town of HIGH PRAIRIE	9,014.28	Village of EAGLESHAM	18.20
Town of INNISFAIL	2,240.70	Village of ELNORA	150.60
Town of KILLAM	1,048.12	Village of HINES CREEK	121.41
Town of LAC LA BICHE	9,996.80	Village of HYTHE	295.20
Town of LACOMBE	7,518.70	Village of KINUSO	46.20
Town of MAGRATH	1,197.70	Village of RYLEY	1,099.44
Town of MANNING	3,213.21	Village of RYCROFT	2,384.56
Town of MAYERTHORPE	4,006.80		
Town of McLENNAN	122.97	County of FORTY MILE #8	2,249.57
Town of FORT McMURRAY	29,337.00	County of GRANDE	
Town of MORINVILLE	377.50	PRAIRIE #1	308.00
Town of NANTON	1,457.55	County of	
Town of OLDS	12,161.26	LAC ST. ANNE #28	7,956.00
Town of PEACE RIVER	29,700.30	County of LACOMBE #14	905.28
Town of PINCHER CREEK	426.00	County of LEDUC #25	4,569.87
Town of PONOKA	1,890.40		

GRANTS IN LIEU OF TAXES (continued)

County of LETHBRIDGE #26 ...	47,469.49	M.D. of ROCKY VIEW	93,412.22
County of MINBURN #27	6,318.36	M.D. of SMOKY RIVER	312.99
County of		M.D. of SPIRIT RIVER	18.20
MOUNTAINVIEW #17	1,990.50	M.D. of STURGEON	12,071.58
County of NEWELL #4	9,506.97	M.D. of TABER	3,543.25
County of PARKLAND #31	2,695.58	M.D. of WESTLOCK	405.97
County of PONOKA #3	11,258.25	M.D. of WILLOW CREEK	401.28
County of RED DEER #23	97,003.49		
County of ST. PAUL #19	1,954.06	I.D. #1 MEDICINE HAT	1,284.80
County of SMOKY LAKE #13 ...	20.59	I.D. #2 REDCLIFFE	2,707.38
County of STRATHCONA #20 ..	2,349.60	I.D. #6	
County of THORHILD #7	1,108.89	LIVINGSTONE RIVER	86.95
County of TWO HILLS #21	3,593.34	I.D. #7 DRUMHELLER	592.28
County of		I.D. #8 HIGHWOOD	3,517.85
VERMILION RIVER #24	923.69	I.D. #10 ROCKY	
County of WARNER #5	1,773.07	MOUNTAIN HOUSE	1,084.34
County of WETASKIWIN #10 ..	6,803.03	I.D. #14 HINTON	5,169.68
County of WHEATLAND #16 ...	572.04	I.D. #16 ENTRANCE	374.75
		I.D. #17 HIGH PRAIRIE	1,245.09
M.D. of CARDSTON	6,225.00	I.D. #18 LAC LA BICHE	2,461.86
M.D. of FAIRVIEW	1,740.06	I.D. #19 WANHAM	1,937.67
M.D. of FOOTHILLS	1,353.95	I.D. #21 HINES CREEK	1,746.66
M.D. of PEACE	134,571.00	I.D. #22 MANNING	1,941.58
TOTAL			\$ 3,093,429.24
LESS: Reimbursement re Oil Core Storage, Calgary			13,380.37
Reimbursement re City of Calgary Overpayment			43,349.66
Reimbursement re Athabasca Treasury Branch			139.18
Reimbursement re Treasury Branch Managers Res.			11,113.65
Reimbursement re Farmland-County of Lethbridge			848.85
Reimbursement re Farmland-County of Ponoka			282.75
Reimbursement re Farmland-County of Strathcona			1,723.57
Reimbursement re Farmland-M.D. of Rockyview			1,238.12
Reimbursement re Farmland-M.D. of Sturgeon			100.00
GRAND TOTAL			<u>\$ 3,021,253.09</u>

Net Totals for Previous Five Years:

1965-66	\$ 1,642,900.55	1968-69	2,614,096.05
1966-67	1,711,522.25	1969-70	3,043,767.90
1967-68	2,123,522.59		

SUMMARY OF EXPENDITURES BY THE DEPARTMENT OF PUBLIC WORKS FOR THE FISCAL YEAR ENDING MARCH 31, 1971, AND THE CORRESPONDING FIGURES FOR THE PREVIOUS FIVE YEARS

Appropriation Number	Description	Amount 1970-1971	Total	1969-1970	1968-1969	1967-1968	1966-1967	1965-1966
ADMINISTRATION:								
2601	Minister's Office	\$ 31,917.94	\$	\$ 30,822.67	\$ 28,393.75	\$ 21,701.85	\$ 25,109.29	\$ 19,611.92
2602	General Administration	631,971.53		598,695.10	533,630.46	531,992.78	447,080.75	308,454.93
2603	Architectural Design Branch	654,664.15		736,879.66	—	—	—	—
2604	Engineering Design Branch	523,703.77		568,061.05	—	—	—	—
2605	Construction Supervision Branch	310,624.24		264,307.81	—	—	—	—
2606	Public Buildings Staff (see Appropriations 2603, 2604, 2605)	—		—	1,590,758.25	1,548,955.29	1,336,912.89	1,053,103.44
2608	Utilities Branch	91,885.28		86,811.14	83,742.81	76,855.86	61,126.44	55,577.87
2609	Maintenance Branch	1,273,166.16	3,517,933.07	1,190,583.07	1,054,503.92	925,739.04	696,389.67	591,504.37
MAINTENANCE:								
2610	Legislative & Public Buildings	15,859,055.30		14,502,042.44	12,895,270.04	11,947,186.81	9,173,215.71	7,640,044.85
2612	Public Institutions	3,896,524.91		3,607,089.99	3,383,294.71	3,279,292.46	2,926,651.00	2,507,108.06
2614	Heating Plants	4,904,365.96		4,449,614.80	3,003,384.54	2,645,646.69	2,403,383.78	2,259,410.30
2615	Low Pressure Power Plants (now combined with Appropriation 2614)	—		—	1,205,606.57	931,224.53	632,346.12	581,977.24
2620	Government Auto Service	95,139.11	24,755,085.28	88,913.39	77,926.86	93,701.23	70,191.03	78,650.92
GRANTS:								
2624	Grants to Municipalities for Swimming Pools (Transferred to Department of Youth)	—		—	56,000.00	34,840.11	42,000.00	14,000.00
2625	Grants for Construction of Police Buildings	108,152.40		250,000.00	70,283.26	48,846.11	5,680.26	111,333.36
2626	Grants to Municipalities in Lieu of Taxes	3,021,253.09	3,129,405.49	3,043,767.90	2,614,096.05	2,123,522.59	1,711,522.25	1,642,900.55
CAPITAL:								
2681	Administrative & Judicial Buildings - Furnishings & Equipment (now combined with Appropriation 2683)	—		—	826,567.13	924,279.35	664,891.46	455,172.68
2682	Sites & Construction	32,898,739.46		25,434,362.06	26,506,485.47	78,184,624.80	79,687,623.37*	37,778,360.82
2683	Furnishings & Equipment	4,779,331.93		4,797,668.91	4,919,116.13	14,204,041.55	9,841,854.41	6,771,299.15
2684	Heating Plants Equipment	105,306.16	37,783,377.55	140,857.98	150,829.52	81,150.78	80,897.35	90,859.99
		\$69,185,801.39	\$59,790,477.97	\$58,999,889.47	\$117,603,601.83	\$109,806,875.78	\$61,959,370.45	

*Adjustment re nonpurchase of Alberta Liquor Control Board property, 1605 - 17 Street S.E., Calgary

